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ABELIAN INTEGRALS. See: algebraic functions; algebraic geometry; elliptic functions (Abelian integrals).

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ABSOLUTELY MONOTONE FUNCTIONS. See: completely monotone functions.

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TRANSCENDENCY PROBLEMS. See: Diophantine approximations (transcendency problems).

TRANSFINITE DIAMETER. See: polynomials (polynomial approximations); potential theory (capacity constants).

TRANSFINITE NUMBERS. See: sets (transfinite numbers).

TRIANGLES. See: geometry (triangles).

TRIGONOMETRIC INTERPOLATION. See: Fourier series (trigonometric interpolation).

TRIGONOMETRIC POLYNOMIALS AND SERIES. See: Fourier series.

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UNIFORMIZATION. See: functions of complex variables (Riemann surfaces).

UNIVALENT FUNCTIONS. See: functions of complex variables.

UNIVERSAL ALGEBRA. See: algebra: abstract (universal algebra).

VALUATIONS. See: algebra: abstract (valuations).

VARIATIONAL PRINCIPLES. See: calculus of variations; differential equations; integral equations; numerical methods (differential equations).

VARIATIONS, CALCULUS OF. See: calculus of variations.

VECTOR AND TENSOR CALCULUS. Cf. Differential geometry; geometry (projective).

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VIBRATIONS. See: differential equations; elasticity (wave propagation); electricity; hydrodynamics (wave propagation); mechanics (oscillations); numerical methods (differential equations; practical harmonic analysis).

VISCOUS FLUIDS. See: hydrodynamics (viscous fluids).

WARING PROBLEM. See: number theory (Waring problem).

WAVE MECHANICS. See: quantum mechanics.

WAVES. See: acoustics; differential equations; elasticity (wave propagation); electricity (waves); geophysics, hydrodynamics (wave propagation); numerical methods (differential equations).

WEBS, GEOMETRY OF. See: differential geometry (families of curves).

WHITTAKER FUNCTIONS. See: special functions (Bessel functions).

ZEROS. See: algebra: equations (zeros); functions of complex variables (zeros); numerical methods (equations); polynomials (zeros); special functions.

ZETA FUNCTIONS. See: Dirichlet series (zeta functions); number theory.

ABBREVIATIONS OF NAMES OF JOURNALS

This list gives the form of reference used in MATHEMATICAL REVIEWS and the complete title (when it differs from this form) in the order in which it is printed on the title page; the place of publication and other pertinent information are given in parentheses when desirable for clarity. The abbreviations are generally formed by abbreviating the principal words in the title in the order in which they occur; however, geographical and proper names are kept intact except for grammatical endings.

In the present list many of the abbreviations have been further shortened from those published in earlier lists. In most cases these changes make for greater consistency in abbreviation. However, some other changes have also been made. For example, for publications of the Akademiya Nauk SSSR the initial *Akad. Nauk SSSR* has been deleted from the abbreviation.

Many journals carry a title in the national language of the country and in one or more other languages. In general, the title which is abbreviated is the one in the national language. However, this policy is not carried through consistently, and, in order to help readers looking for a complete title, cross-references are given from a likely abbreviation in one of these other languages to the one used in Mathematical Reviews; e.g.: *"Comm. Sém. Math. Univ. Lund.* See *Medd. Lunds Univ. Mat. Sem."; "Spisy Přírod. Fak. Masaryk. Univ.* See *Publ. Fac. Sci. Univ. Masaryk"*. However, scripts other than Roman, Cyrillic and Greek are disregarded unless no title in one of these appears.

Some journals which have been discontinued or which are no longer received are omitted from this list but appear in those published in vol. 9, pp. 723–733; vol. 10, pp. 853–854; vol. 11, pp. 859–869, vol. 12, pp. 999–1000; vol. 13, pp. 1128–1137; and vol. 14, p. 1276.

Abh. Akad. Wiss. Göttingen. Math.-Phys. Kl. Abhandlungen der Akademie der Wissenschaften in Göttingen. Mathematisch-Physikalische Klasse.

Abh. Bayer. Akad. Wiss. Math.-Nat. Kl. Abhandlungen der Bayerischen Akademie der Wissenschaften. Mathematisch-naturwissenschaftliche Klasse. (München.)

Abh. Deutsch. Akad. Wiss. Berlin. Kl. Math. Nat. Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin. Klasse für Mathematik und allgemeine Naturwissenschaften.

Abh. Deutsch. Akad. Wiss. Berlin. Kl. Tech. Wiss. Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin. Klasse für technische Wissenschaften.

Abh. Math. Sem. Univ. Hamburg. Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg.

Abh. Sächs. Akad. Wiss. Math.-Nat. Kl. Abhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-Naturwissenschaftliche Klasse.

Acad. Repub. Pop. Romîne. An. Romino-Soviet. Ser. Mat.-Fiz. Academia Republicii Populare Romîne. Institutul de Studii Romino-Sovietic. Analele Romino-Sovietice. Seria Matematică-Fizică. Rumyno-Sovetskie Zapiski. Fiziko-Matematičeskaya Seriya. (Bucharest.)

Acad. Repub. Pop. Romîne. Bul. Ştiinţ. Secţ. Ştiinţe Mat. Fiz. Academia Republicii Populare Romîne. Buletin Ştiinţific. Secţiunea de Ştiinţe Matematice şi Fizice. Académie de la République Populaire Roumaine. Bulletin Scientifique. Section de Sciences Mathématiques et Physiques. Akademiya Rumynskoĭ Respubliki. Naučnyĭ Vestnik. Otdelenie Matematičeskih i Fizičeskih Nauk. (Bucharest.)

Acad. Repub. Pop. Romîne. Fil. Cluj. Stud. Cerc. Ştiinţ. Academia Republicii Populare Romîne. Filiala Cluj. Studii şi Cercetări Ştiinţifice. (Cluj.)

Acad. Repub. Pop. Romîne. Fil. Iaşi. Stud. Cerc. Ştiinţ. Academia Republicii Populare Romîne. Filiala Iaşi. Studii şi Cercetări Ştiinţifice. (Jassy.)

Acad. Repub. Pop. Romîne. Stud. Cerc. Mat. Academia Republicii Populare Romîne. Institutul de Matematică. Studii şi Cercetări Matematice. Matematičeskie Trudy i Issledovaniya. Études et Recherches Mathématiques. (Bucharest.)

Acad. Repub. Pop. Romîne. Stud. Cerc. Mec. Metalurgie. Academia Republicii Populare Romîne. Studii şi Cercetări de Mecanică şi Metalurgie. (Bucharest.)

Acad. Roy. Belg. Bull. Cl. Sci. Académie Royale de Belgique. Bulletin de la Classe des Sciences. Koninklijke Belgische Academie. Mededelingen van de Klasse der Wetenschappen. (Bruxelles.)

Acad. Roy. Belg. Cl. Sci. Mém. Coll. in 4°. Académie Royale de Belgique. Classe des Sciences. Mémoires. Collection in-4°. Koninklijke Belgische Academie. Klasse der Wetenschappen. Verhandelingen. Verzameling in-4°. (Bruxelles.)

Acad. Roy. Belg. Cl. Sci. Mém. Coll. in 8°. Académie Royale de Belgique. Classe des Sciences. Mémoires. Collection in-8°. Koninklijke Belgische Academie. Klasse der Wetenschappen. Verhandelingen. Verzameling in-8°. (Bruxelles.)

Acad. Roy. Belg. Cl. Sci. Publ. Fond. Agathon De Potter. Académie Royale de Belgique. Classe des Sciences. Publications de la Fondation Agathon De Potter. (Bruxelles.)

Acad. Sci. Art. Sloven. Cl. III. Ser. A. Dissert. See *Slovenska Akad. Znan. Umet. Razred. Mat. Fiz. Tehn. Vede. Ser. A. Razprave.*

Acad. Serbe Sci. Publ. Inst. Math. Académie Serbe des Sciences. Publications de l'Institut Mathématique. (Beograd.)

Accad. Naz. dei XL. Annuario Generale. Accademia Nazionale dei XL. Annuario Generale. (Roma)

Accad. Patavina Sci. Lett. Arti. Atti Mem. Accademia Patavina di Scienze, Lettere ed Arti. Atti e Memorie. (Padova.)

Accad. Sci. Modena. Atti Mem. Accademia di Scienze, Lettere e Arti di Modena. Atti e Memorie.

Acta Acad. Abo. Acta Academiae Aboensis. Mathematica et Physica.

Acta Acad. Sci. Nat. Moravo-Siles. See *Práce Moravskoslezské Akad. Věd Přírod., Brno.*

Acta Bioth. Ser. A. Acta Biotheoretica. Series A. (Leiden.)

Acta Cryst. Acta Crystallographica. (Copenhagen.)

Acta Cuyana Ingen. Universidad Nacional de Cuyo. Acta Cuyana de Ingenieria. Facultaú de Ingenieria y Ciencias Exactas Fisicas y Naturales. (San Juan, Argentina.)

Acta Fac. Nat. Univ. Carol., Prague. Spisy Vydávané Přírodovědeckou Fakultou University Karlovy. Acta Facultatis Rerum Naturalium Universitatis Carolinae.

Acta Math. Acta Mathematica. (Uppsala.)

Acta Math. Acad. Sci. Hungar. Acta Mathematica Academiae Scientiarum Hungaricae. (Budapest.)

Acta Philos. Fenn. Acta Philosophica Fennica. (Helsinki.)

Acta Phys. Acad. Sci. Hungar. Acta Physica Academiae Scientiarum Hungaricae. (Budapest.)

Acta Phys. Austriaca. Acta Physica Austriaca. (Vienna.)

Acta Phys. Polon. Acta Physica Polonica. (Warsaw.)

Acta Polytech. Acta Polytechnica. (Stockholm.)

Acta Salmant. Ser. Ci. (N.S.). Acta Salmanticiensis. Serie de Ciencias. Nueva Serie. (Salamanca.)

Acta Sci. Math. Szeged. Acta Scientiarum Mathematicarum. (Szeged.)

Acta Sci. Sinica. Acta Scientia Sinica. (Peking. Continued as: *Sci. Sinica.*)

Acta Soc. Sci. Fenn. Nova Ser. A. Acta Societatis Scientiarum Fennicae. Nova Series A. (Helsingfors.)

Acta Soc. Sci. Nat. Moravicae. See *Práce Moravské Přírod. Společ.*

Acta Tech. Acad. Sci. Hungar. Acta Technica Academiae Scientiarum Hungaricae. (Budapest.)

Acta Univ. Lund. N.S. = Acta Reg. Soc. Physiogr. Lund. See *Lunds Univ. Årsskr. N.F. Avd. 2 = Kungl. Fysiogr. Sällsk. i Lund. Handl. N.F.*

Actas Acad. Ci. Lima. Actas de la Academia Nacional de Ciencias Exactas, Fisicas y Naturales de Lima.

Actes Soc. Helv. Sci. Nat. Actes de la Société Helvétique des Sciences Naturelles. Verhandlungen der Schweizerischen Naturforschenden Gesellschaft. Atti della Società Elvetica di Scienze Naturali. (Title varies.)

Actualités Sci. Ind. Actualités Scientifiques et Industrielles. (Paris.)

Acustica. Acustica. (Zürich.)

Advances in Physics. Advances in Physics. A Quarterly Supplement of the Philosophical Magazine. (London.)

Aero. Quart. The Aeronautical Quarterly. (London.)

Aero. Res. Council, Rep. and Memo. Ministry of Supply, Aeronautical Research Council. Reports and Memoranda. (London.)

Aerotecnica. L'Aerotecnica. (Rome.)

Aircraft Engrg. Aircraft Engineering. (London.)

Akad. Nauk Armyan. SSR. Dokl. Akademiya Nauk Armyanskoĭ SSR. Doklady. (Erevan. Title also in Armenian.) Incomplete.

Akad. Nauk Armyan. SSR. Izv. Fiz.-Mat. Estest. Tehn. Nauki. Akademiya Nauk Armyanskoĭ SSR. Izvestiya. Fiziko-Mat., Estestvennye i Tehničeskie Nauki. (Erevan. Title also in Armenian.)

Akad. Nauk Armyan. SSR. Soobšč. Inst. Mat. Meh. Akademiya Nauk Armyanskoĭ SSR. Soobščeniya Instituta Matematiki i Mehaniki. (Erevan.)

Akad. Nauk Gruzin. SSR. Abastuman. Astrofiz. Obs. Byull. Akademiya Nauk Gruzinskoĭ SSR. Abastumanskaya Astrofizičeskaya Observatoriya. Byulleten'. (Tbilissi. Title also in Georgian.)

Akad. Nauk Gruzin. SSR. Trudy Tbiliss. Mat. Inst. Razmadze. Akademiya Nauk Gruzinskoĭ SSR. Trudy Tbilisskogo Matematičeskogo Instituta imeni A. M. Razmadze. (Tbilissi. Title also in Georgian.)

Akad. Nauk Latv. SSR. Trudy Inst. Fiz. Akademiya Nauk Latvĭĭskoĭ SSR. Trudy Instituta Fiziki. (Riga. Formerly: *Latvijas PSR Zinātņu Akad. Fiz. Mat. Inst. Raksti.*)

Akad. Nauk Ukrain. RSR. Zb. Prac' Inst. Mat. Akademiya Nauk Ukraïns'koĭ RSR. Institut Matematiki. Zbirnik Prac' Institutu Matematiki. (Kiev.) Incomplete.

Akad. Nauk Uzbek. SSR. Trudy Inst. Mat. Meh. Akademiya Nauk Uzbekskoĭ SSR. Trudy Instituta Matematiki i Mehaniki. (Tashkent. Title also in Uzbek.)

Akad. Nauk Uzbek. SSR. Trudy Taškent. Astr. Obs. Akademiya Nauk Uzbekskoĭ SSR. Trudy Taškentskoĭ Astronomičeskoĭ Observatorii. (Tashkent.)

Akad. Wiss. Mainz. Abh. Math.-Nat. Kl. Akademie der Wissenschaften und der Literatur. Abhandlungen der Mathematisch-Naturwissenschaftlichen Klasse. (Mainz.)

Allg. Statist. Arch. Allgemeines statistisches Archiv. Organ der Deutschen Statistischen Gesellschaft. (München.)

Allg. Vermessgs.-Nachr. Allgemeine Vermessungs-Nachrichten. (Munich.)

Amer. J. Math. American Journal of Mathematics. (Baltimore, Md.)

Amer. J. Phys. American Journal of Physics. (New York.)

Amer. J. Sci. American Journal of Science. (New Haven, Conn.)

Amer. Math. Monthly. The American Mathematical Monthly. (Menasha, Wis.)

Amer. Math. Soc. Transl. American Mathematical Society Translation.

An. Acad. Brasil. Ci. Anais da Academia Brasileira de Ciencias. (Rio de Janeiro.)

An. Acad. Nac. Ci. Ex. Fis. Nat. Buenos Aires. Anales de la Academia Nacional de Ciencias Exactas, Físicas y Naturales de Buenos Aires.

An. Fac. Ci. Porto. Anais da Faculdade de Ciências do Porto.

An. Real Soc. Españ. Fis. Quim. Ser. A. Anales de la Real Sociedad Española de Fisica y Quimica. Serie A—Fisica. (Madrid.)

An. Soc. Ci. Argentina. Anales de la Sociedad Cientifica Argentina. (Buenos Aires.)

Ann. Acad. Roy. Belg. Annuaire de l'Académie Royale de Belgique. Jaarboek van de Koninklijke Belgische Academie. (Bruxelles.)

Ann. Acad. Sci. Fenn. Ser. A. I. Suomalaisen Tiedeakatemian Toimituksia. Sarja A. Annales Academiae Scientiarum Fennicae. Series A. I. Mathematica-Physica. (Helsinki.)

Ann. Acad. Sinica, Taipei. Annals of Academia Sinica, Taipei.

Ann. Astrophys. Annales d'Astrophysique. (Paris.)

Ann. Fac. Sci. Univ. Toulouse. Annales de la Faculté des Sciences de l'Université de Toulouse pour les Sciences Mathématiques et les Sciences Physiques.

Ann. Geofis. Annali Geofisica. Rivista dell'Istituto Nazionale di Geofisica. (Rome.)

Ann. Géophys. Annales de Géophysique. (Paris.)

Ann. Human Genetics. Annals of Human Genetics. (London. Formerly: Annals of Eugenics.)

Ann. Inst. Fourier, Grenoble. Université de Grenoble. Annales de l'Institut Fourier.

Ann. Inst. H. Poincaré. Annales de l'Institut Henri Poincaré. (Paris.)

Ann. Inst. Statist. Math., Tokyo. Annals of the Institute of Statistical Mathematics. (Tokyo.)

Ann. Mat. Pura Appl. Annali di Matematica Pura ed Applicata. (Bologna.)

Ann. Math. Statist. The Annals of Mathematical Statistics. (Baltimore, Md.)

Ann. New York Acad. Sci. Annals of the New York Academy of Sciences.

Ann. of Math. Annals of Mathematics. (Princeton, N. J.)

Ann. Physik. Annalen der Physik. (Leipzig.)

Ann. Physique. Annales de Physique. (Paris.)

Ann. Polon. Math. Polska Akademia Nauk. Annales Polonici Mathematici. (Warsaw. Formerly: *Ann. Soc. Polon. Math.*)

Ann. Ponts Chaussées. Annales de Ponts et Chaussées. (Paris.)

Ann. Radioélec. Annales de Radioélectricité. (Paris.)

Ann. Roy. Agric. Coll., Uppsala. See *Kungl. Lantbrukshögsk. Ann.*

Ann. Sci. Ecole Norm. Sup. Annales Scientifiques de l'Ecole Normale Supérieure. (Paris.)

Ann. Scuola Norm. Sup. Pisa. Annali della Scuola Normale Superiore di Pisa. Scienze Fisiche e Matematiche.

Ann. Soc. Sci. Bruxelles. Sér. I. Annales de la Société Scientifique de Bruxelles. Série I. Sciences Mathématiques, Astronomiques et Physiques. (Title varies.)

Ann. Télécommun. Annales des Télécommunications. (Paris.)

Ann. Triestini. Sez. 2. Annali Triestini, a cura delle Università di Trieste. Sezione 2ª. Scienze ed Ingegneria.

Ann. Univ. Ferrara. Sez. VII. Annali dell'Università di Ferrara. Sezione VII. Scienze Matematiche.

Ann. Univ. Lyon. Annales de l'Université de Lyon.

Ann. Univ. Mariae Curie-Skłodowska. Annales Universitatis Mariae-Curie-Skłodowska. (Lublin. Appears in several sections, e.g., *Sect. A,* Mathematics; *Sect. AA,* Physics and Chemistry; *Sect. F,* Philosophy. Title page also in Polish.)

Ann. Univ. Sarav. Annales Universitatis Saraviensis. (Saarbrücken.)

Ann. Univ. Turku. Ser. A. Annales Universitatis Turkuensis. Series A. Turun Yliopiston Julkaisuja. Sarja A. Classed Separately

Annuaire Fac. Sci. Phys. Math., Univ. Sofia, Livre 1. Godišnik na Fiziko-Matematičeskiya Fakultet. Kniga 1. Annuaire du Faculté—Physique et Mathematiques. Livre 1. (Université de Sofia.)

Annual Rep. Sci. Works Fac. Sci. Osaka Univ. Annual Report of Scientific Works from the Faculty of Science. Osaka University.

Anz. Österreich. Akad. Wiss. Math.-Nat. Kl. Anzeiger der Österreichischen Akademie der Wissenschaften. Mathematisch-naturwissenschaftliche Klasse. (Wien.)

Appl. Sci. Res. A. Applied Scientific Research A. (The Hague.)

Appl. Sci. Res. B. Applied Scientific Research B. (The Hague.)

Appl. Statist. Applied Statistics. A Journal of the Royal Statistical Society. (London.)

Arch. Elek. Übertr. Archiv der elektrischen Übertragung. (Stuttgart.)

Arch. Elektrotech. Archiv für Elektrotechnik. (Berlin-Göttingen-Heidelberg.)

Arch. Internat. Hist. Sci. Archives Internationales d'Histoire des Sciences. (Paris.)

Arch. Math. Archives of Mathematics. Archiv der Mathematik. Archives Mathématiques. (Basel and Stuttgart.)

Arch. Math. Logik Grundlagenforsch. Archiv für mathematische Logik und Grundlagenforschung. (Stuttgart.)

Arch. Math. Naturvid. Archiv for Mathematik og Naturvidenskab. (Oslo.)

Arch. Mech. Stos. Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Archiwum Mechaniki Stosowanej. (Warsaw. Formerly: *Arch. Méc. Appl., Gdansk.*)

Arch. Meteorol. Geophys. Bioklimatol. Ser. A. Archiv für Meteorologie, Geophysik und Bioklimatologie. Serie A. Meteorologie und Geophysik. (Vienna.)

Arch. Sci. Soc. Phys. Hist. Nat. Genève. Archives des Sciences. Société de Physique et d'Histoire Naturelle de Genève.

Ark. Astr. Arkiv för Astronomi. (Stockholm.)

Ark. Fys. Arkiv för Fysik. (Stockholm.)

Ark. Geofys. Arkiv för Geofysik. (Stockholm.)

Ark. Mat. Arkiv för Matematik. (Stockholm.)

Assoc. Actuair. Belges. Bull. Association Royale des Actuaires Belges. Bulletin. (Bruxelles.)

Astr. J. The Astronomical Journal. (New Haven, Conn.)

Astr. Jber. Astronomischer Jahresbericht. (Berlin.)

Astr. Nachr. Astronomische Nachrichten. (Berlin.)

Astr. Z. Akademiya Nauk Soyuza SSR. Astronomičeskiĭ Žurnal.

Astrophys. J. The Astrophysical Journal. (Chicago, Ill.)

Astrophys. Norvegica. Astrophysica Norvegica. (Oslo.)

Atti Accad. Gioenia Catania. Atti della Accademia Gioenia di Scienze Naturali in Catania.

Atti Accad. Ligure. Atti della Accademia Ligure di Scienze e Lettere.

Atti Accad. Naz. Lincei. Mem. Cl. Sci. Fis. Mat. Nat. Sez. I. Atti della Accademia Nazionale dei Lincei. Memorie. Classe di Scienze Fisiche, Matematiche e Naturali. Sezione Iª (Matematica, Meccanica, Astronomia, Geodesia e Geofisica). (Rome.)

Atti Accad. Naz. Lincei. Mem. Cl. Sci. Fis. Mat. Nat. Sez. II. Atti della Accademia Nazionale dei Lincei. Memorie. Classe di Science Fisiche, Matematiche e Naturali. Sezione IIª (Fisica, Chimica, Geologia, Paleontologia e Mineralogia). (Rome.)

Atti Accad. Naz. Lincei. Rend. Adunanze Gen. Atti della Accademia Nazionale dei Lincei. Rendiconti delle Adunanze Generali a Classi Riunite. (Rome.)

Atti Accad. Naz. Lincei. Rend. Cl. Sci. Fis. Mat. Nat. Atti della Accademia Nazionale dei Lincei. Rendiconti. Classe di Scienze Fisiche, Matematiche e Naturali. (Rome.)

Atti Accad. Peloritana. Cl. Sci. Fis. Mat. Nat. Atti della Reale Accademia Peloritana. Classe di Scienze Fisiche, Matematiche e Naturali.

Atti Accad. Sci. Lett. Arti Palermo. Parte I. Atti della Accademia di Scienze Lettere e Arti di Palermo. Parte Prima: Scienze. (Palermo.)

Atti Accad. Sci. Torino. Cl. Sci. Fis. Mat. Nat. Atti della Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali.

Atti Relaz. Accad. Pugliese Sci. N.S. Accademia Pugliese dell Scienze. Atti e Relazioni. (Bari.)

Atti Sem. Mat. Fis. Univ. Modena. Atti del Seminario Matematico e Fisico dell'Università di Modena.

Atti Soc. Nat. Mat. Modena. Atti della Società dei Naturalisti e Matematici di Modena.

Austral. J. Appl. Sci. Australian Journal of Applied Science. (Melbourne.)

Austral. J. Phys. Australian Journal of Physics. (Melbourne.)

Austral. J. Sci. The Australian Journal of Science. (Sydney.)

Avh. Norske Vid. Akad. Oslo. I. Avhandlinger Utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mat.-Naturv. Klasse.

Avtomat. i. Telemeh. Akademiya Nauk SSSR. Avtomatika i Telemehanika.

Bell System Tech. J. The Bell System Technical Journal. (New York.)

Ber. Verh. Sächs. Akad. Wiss. Leipzig. Math.-Nat. Kl. Berichte über die Verhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-Naturwissenschaftliche Klasse.

Bilten Druš. Mat. Fiz. Makedon. See *Bull. Soc. Math. Phys. Macédoine.*

Biochim. Biophys. Acta. Biochimica et Biophysica Acta. (Amsterdam.)

Biometrics. Biometrics. Journal of the Biometric Society. (New Haven, Conn.)

Biometrika. (London.)

Bol. Fac. Ingen. Montevideo. Boletín de la Facultad de Ingenieria de Montevideo.

Bol. Fis. Univ. Brasil. Faculdade Nacional de Filosofia. Universidade do Brasil. Boletim de Fisica. (Rio de Janeiro.)

Bol. Mat. Boletín Matemático. (Buenos Aires.)

Bol. Soc. Mat. Mexicana. Boletín de la Sociedad Matemática Mexicana. (Mexico, D.F.)

Bol. Soc. Mat. São Paulo. Boletim da Sociedade de Matemática de São Paulo.

Bol. Soc. Portuguesa Mat. Sér. A. Boletim da Sociedade Portuguesa de Matemática. Série A—Comuniçaçães e Conferências. (Lisboa.)

Boll. Accad. Gioenia Sci. Nat. Catania. Bollettino delle Sedute della Accademia Gioenia di Scienze Naturali in Catania.

Boll. Un. Mat. Ital. Bollettino della Unione Matematica Italiana. (Bologna.)

British J. Philos. Sci. The British Journal for the Philosophy of Science. (Edinburgh and London.)

Bŭlgar. Akad. Nauk. Izv. Mat. Inst. Bŭlgarska Akademiya na Naukite. Otdelenie za Fiziko-Matematičeski i Tehničeski Nauki. Izvestiya na Matematičeskiya Institut. (Sofia.)

Bull. Acad. Polon. Sci. Cl. III. Bulletin de l'Académie Polonaise des Sciences. Classe Troisième. (Warsaw.)

Bull. Acad. Serbe Sci. Bulletin de l'Académie Serbe des Sciences. (Belgrade. Contains subtitles for separate classes.)

Bull. Allahabad Univ. Math. Assoc. The Bulletin of the Allahabad University Mathematical Association.

Bull. Amer. Math. Soc. Bulletin of the American Mathematical Society.

Bull. Astr. Bulletin Astronomique. (Paris.)

Bull. Astr. Inst. Netherlands. Bulletin of the Astronomical Institutes of the Netherlands. (Haarlem.)

Bull. Calcutta Math. Soc. Bulletin of the Calcutta Mathematical Society.

Bull. Chinese Assoc. Adv. Sci. Bulletin of the Chinese Association for the Advancement of Science. (Taipei.)

Bull. Earthquake Res. Inst. Tokyo. Bulletin of the Earthquake Research Institute, Tokyo University.

Bull. Engrg. Res. Inst. Kyoto Univ. Bulletin of the Engineering Research Institute, Kyoto University.

Bull. Inst. Agronom. et Stations Rech. Gembloux. Bulletin de l'Institut Agronomique et des Stations de Recherches de Gembloux. (Bruxelles.)

Bull. Inst. Égypte. Bulletin de l'Institut d'Égypte. (Cairo.)

Bull. Inst. Internat. Statist. Bulletin de l'Institut International de Statistique. (La Haye.)

Bull. Internat. Acad. Yougoslave. Cl. Sci. Math. Phys. Tech. Bulletin International de l'Académie Yougoslave des Sciences et des Beaux-Arts. Classe des Sciences Mathématiques, Physiques et Techniques. (Zagreb.)

Bull. Math. Biophys. The Bulletin of Mathematical Biophysics. (Chicago, Ill.)

Bull. Math. Statist. Bulletin of Mathematical Statistics. (Fukuoka.)

Bull. Nat. Res. Council. Bulletin of the National Research Council. (Washington, D. C.)

Bull. Res. Council Israel. Bulletin of the Research Council of Israel. (Jerusalem.)

Bull. Sci. Math. Bulletin des Sciences Mathématiques. (Paris.)

Bull. Seismol. Soc. America. Bulletin of the Seismological Society of America. (Berkeley, Calif.)

Bull. Soc. Amis Sci. Poznań. Ser. B. Bulletin de la Société des Amis des Sciences et des Lettres de Poznań. Serie B. Sciences Mathématiques et Naturelles. (Poznań.)

Bull. Soc. Franç. Méc. Bulletin de la Société Française des Mécaniciens. (Paris.)

Bull. Soc. Fribourg. Sci. Nat. Bulletin de la Société Fribourgeoise des Sciences Naturelles.

Bull. Soc. Math. Belg. Bulletin de la Société Mathématique de Belgique. (Bruxelles.)

Bull. Soc. Math. France. Bulletin de la Société Mathématique de France. (Paris.)

Bull. Soc. Math. Grèce. Bulletin de la Société Mathématique de Grèce. Δελτίον τῆς Ἑλληνικῆς Μαθηματικῆς Ἑταιρείας. (Athens.)

Bull. Soc. Math. Phys. Macédoine. Bulletin de la Société des Mathématiciens et des Physiciens de la République Populaire de Macédoine. Bilten na Društvoto na Matematičarite i Fizičarite od Narodna Republika Makedonija. (Skopje.)

Bull. Soc. Math. Phys. Serbie. Bulletin de la Société des Mathématiciens et Physiciens de la R. P. de Serbie. Vesnik Društva Matematičara i Fizičara Narodne Republike Srbije. (Belgrade.)

Bull. Soc. Roy. Sci. Liège. Bulletin de la Société Royale des Sciences de Liège.

Bull. Tech. Suisse Romande. Bulletin Technique de la Suisse Romande. (Lausanne.)

Bull. Tech. Univ. Istanbul. İstanbul Teknik Üniversitesi Bülteni. Bulletin of the Technical University of İstanbul.

Bull. Tokyo Inst. Tech. Ser. B. Bulletin of the Tokyo Institute of Technology. Series B.

Bull. Trimest. Inst. Actuaires Franç. Bulletin Trimestriel de l'Institut des Actuaires Français. (Paris.)

Bull. Yamagata Univ. (Nat. Sci.) Bulletin of the Yamagata University. (Natural Science.) (Yamagata.)

Byull. Inst. Teoret. Astr. Akademiya Nauk Soyuza Sovetskih Socialističeskih Respublik. Byulleten' Instituta Teoretičeskoĭ Astronomii.

C. R. Acad. Bulgare Sci. Doklady Bolgarskoĭ Akademii Nauk. Comptes Rendus de l'Académie Bulgare des Sciences. (Sofia.)

C. R. Acad. Sci. Paris. Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. (Paris.)

Cadernos de Análise Geral. (Oporto.)

Cahiers de Phys. Cahiers de Physique. (Paris.)

Cahiers Rhodan. Cahiers Rhodaniens. (Lyon.)

Calc. Automat. y Cibernet. Calculo Automatico y Cibernetica. (Madrid.)

Calcutta Statist. Assoc. Bull. Calcutta Statistical Association Bulletin.

Canad. J. Math. Canadian Journal of Mathematics. Journal Canadien de Mathématiques. (Toronto.)

Canad. J. Phys. Canadian Journal of Physics. (Ottawa.)

Časopis Pěst. Mat. Časopis pro Pěstování Matematiky. (Prague.)

Čehoslovack. Fiz. Ž. See *Czechoslovak J. Phys.*

Čehoslovack. Mat. Ž. See *Czechoslovak Math. J.*

Centro Estudos Mat. Fac. Ci. Pôrto. Publ. Publicações do Centro de Estudos Matemáticos da Faculdade de Ciências do Pôrto.

Chalmers Tekn. Högsk. Handl. Chalmers Tekniska Högskolans Handlingar. Transactions of Chalmers University of Technology, Gothenburg, Sweden.

Ci. y Téc. Ciencia y Técnica. (Buenos Aires.)

Ciência, Lisboa. Ciência. Revista da Associação de Estudantes da Faculdade de Ciências de Lisboa.

Coll. Aero. Cranfield. Note. The College of Aeronautics, Cranfield. Note.

Coll. Aero. Cranfield. Rep. The College of Aeronautics, Cranfield. Report.

Coll. Papers Math. Inst. Fac. Sci. Nagoya Univ. Collected Papers from the Mathematical Institute. Faculty of Science. Nagoya University.

Collect. Math. Consejo Superior de Investigaciones Científicas. Universidad de Barcelona. Collectanea Mathematica.

Colloq. Math. Colloquium Mathematicum. (Warsaw.)

Comm. Dublin Inst. Adv. Studies. Ser. A. Sgríbhinní Institiúid Árd-Léighinn Bhaile Átha Cliath. Sraith A. Communications of the Dublin Institute for Advanced Studies. Series A.

Comm. Fac. Sci. Univ. Ankara. Communications de la Faculté des Sciences de l'Université d'Ankara.

Comm. Pure Appl. Math. Communications on Pure and Applied Mathematics. (New York.)

Comm. Sém. Math. Univ. Lund. See *Medd. Lunds Univ. Mat. Sem.*

Comment. Math. Helv. Commentarii Mathematici Helvetici. (Zurich.)

Comment. Math. Univ. St. Paul. Commentarii Mathematici Universitatis Sancti Pauli. Rikkyô Daigaku Sûgaku Zassi. (Tôkyô.)

Commonwealth of Australia. Dept. of Supply. Aero. Res. Consult. Comm. Rep. Commonwealth of Australia. Department of Supply. Aeronautical Research Consultative Committee. Report. (Melbourne.)

Commun. and Electronics. Communication and Electronics. (New York.)

Compositio Math. Compositio Mathematica. (Groningen.)

Computers and Automation. Computers and Automation. Cybernetics, Robots, Automatic Control. (New York.)

Confer. Sem. Mat. Univ. Bari. Conferenze del Seminario di Matematica dell'Università di Bari.

Consiglio Naz. Ricerche. Pubbl. Ist. Appl. Calcolo. Consiglio Nazionale delle Ricerche. Pubblicazioni dell'Istituto per le Applicazioni del Calcolo. (Rome. Title varies.)

Czechoslovak J. Phys. Čehoslovackaya Akademiya Nauk. Czechoslovak Academy of Sciences. Čehoslovackiĭ Fizičeskiĭ Žurnal. Czecheslovak Journal of Physics. (Prague.)

Czechoslovak Math. J. Čehoslovackaya Akademiya Nauk. Čehoslovackiĭ Matematičeskiĭ Žurnal. Czechoslovak Mathematical Journal. (Prague.)

Danske Vid. Selsk. Mat.-Fys. Medd. Det Kgl. Danske Videnskabernes Selskab. Matematisk-Fysiske Meddelelser. (København.)

Deltion Hellen. Math. Hetair. See *Bull. Soc. Math. Grèce.*

Deutsche Akad. Wiss. Berlin. Veröff. Geodät. Inst. Potsdam. Deutsche Akademie der Wissenschaften zu Berlin. Veröffentlichungen des Geodätischen Institutes in Potsdam.

Dialectica. (Neuchâtel.)

Discussions Faraday Soc. Discussions of the Faraday Society. (London.)

Div. Electromag. Res., Inst. Math. Sci., New York Univ., Res. Rep. Division of Electromagnetic Research, Institute of Mathematical Sciences, New York University, Research Report. (New York.)

Dokl. Akad. Nauk SSSR. Doklady Akademii Nauk SSSR. (Moscow.)

Dokl. Akad. Nauk UzSSR. Doklady Akademii Nauk UzSSR. UzSSR Fanlar Akademiayasining Dokladlari. (Tashkent.)

Dokl. Bolgar. Akad. Nauk. See *C. R. Acad. Bulgare Sci.*

Dopovidi Akad. Nauk Ukrain. RSR. Dopovidi Akademiĭ Nauk Ukrains'koĭ Radyans'koĭ Socialističnoĭ Respubliki. (Kiev.)

Duke Math. J. Duke Mathematical Journal. (Durham, N. C.)

Econometrica. Econometrica. Journal of the Econometric Society. (Chicago, Ill.)

Edinburgh Math. Notes. The Edinburgh Mathematical Notes.

Elec. Engrg. Electrical Engineering. (New York.)

Electronic Engrg. Electronic Engineering. (London.)

Električestvo. (Moscow.)

Elektrotech. Z. Elektrotechnische Zeitschrift. (Berlin.)

Elem. Math. Elemente der Mathematik. Revue de Mathématiques Élémentaires. Rivista di Matematica Elementare. (Basel.)

Elem. Math. Beiheft. Beihefte zur Zeitschrift "Elemente der Mathematik." (Title also in French. Basel.)

Elettrotecnica. L'Elettrotecnica. (Milano.)

Elliott J. The Elliott Journal. (London.)

Engineer. The Engineer. (London.)

Engineering. (London.)

Enseignement Math. L'Enseignement Mathématique. (Geneva.)

Ericsson Technics. (Stockholm.)

Euclides, Groningen. Euclides. Tijdschrift voor de Didactiek der Exacte Vakken. (Groningen.)

Euclides, Madrid. Euclides. Revista Mensual de Ciencias Exactas, Físicas, Químicas, Naturales y Applicaciones Técnicas. (Madrid.)

Eureka. Eureka. The Archimedeans' Journal. (Cambridge, England.)

Experientia. (Basel.)

Fac. Ingen. Montevideo. Publ. Inst. Mat. Estadíst. Facultad de Ingeniería Montevideo. Publicaciones del Instituto de Matemática y Estadística.

Fac. Philos. Univ. Skopje. Sect. Sci. Nat. Annuaire. Filozofski Fakultet na Univerzitetot-Skopje. Faculté de Philosophie de l'Université de Skopje. Prirodno-Matematički Oddel. Section des Sciences Naturelles. Godišen Zbornik. Annuaire.

Fac. Philos. Univ. Skopje. Sect. Sci. Nat. Ed. Spéc. Filozofski Fakultet na Univerzitetot, Skopje. Faculté de Philosophie de l'Université de Skopje. Prirodno-Matematički Oddel. Section de Sciences Naturelles. Posebni Izdanija. Editions Spéciales.

Filoz. Fak. Univ. Skopje. Prirod.-Mat. Oddel. Godišen Zb. (or *Poseb. Izd.*). See *Fac. Philos. Univ. Skopje Sect. Sci. Nat. Annuaire.* (or *Ed. Spéc.*)

Flygtekn. Försöksanstalt. Rep. Flygtekniska Försöksanstalten FFA. The Aeronautical Research Institute of Sweden. Report. (Stockholm.)

Forsch. u. Fortschr. Forschungen und Fortschritte. (Berlin.)

Forsch. Gebiete Ingenieurwesens. Forschung auf dem Gebiete des Ingenieurwesens. (Berlin.)

Fund. Math. Fundamenta Mathematicae. (Warsaw.)

Gac. Mat., Madrid. Gaceta Matemática. (Madrid.)

Ganita. Ganita. (Lucknow.)

Gaz. Mat. Fiz. Ser. A. Societatea de Ştiinţe Matematice şi Fizice din R.P.R. Gazeta Matematică şi Fizică. Publicaţie pentru Studiul şi Răspindirea Ştiinţelor Matematice şi Fizice. Seria A. (Bucharest.)

Gaz. Mat. Fiz. Ser. B. Societatea de Ştiinţe Matematice şi Fizice din R.P.R. Gazeta Matematică şi Fizică. Seria B. Publicaţie lunară pentru tineret. (Bucharest.)

Gaz. Mat., Lisboa. Gazeta de Matemática. (Lisboa.)

Génie Civil. (Paris.)

Geodaet. Inst., København, Medd. Geodaetisk Institut, København, Meddelelse.

Geodaet. Inst. Skr. Geodaetisk Instituts Skrifter. Mémoires de l'Institut Géodésique de Danemark. (København.)

Geofis. Pura Appl. Geofisica Pura ed Applicata. (Milano.)

Geofys. Publ. Norske Vid.-Akad. Oslo. Geofysiske Publikasjoner Utgitt av det Norske Videnskaps-Akademi i Oslo.

Geophys. Res. Directorate, Air Force Cambridge Res. Center., Cambridge, Mass. Geophys. Res. Papers. Geophysics Research Directorate, Air Force Cambridge Research Center, Air Research and Development Command. Geophysical Research Papers.

Geophysics. (Tulsa, Okla.)

Giorn. Ist. Ital. Attuari. Giornale dell'Istituto Italiano degli Attuari. (Rome.)

Giorn. Mat. Battaglini. Giornale di Matematiche di Battaglini. (Naples.)

Giorn. Mat. Finanz. Giornale di Matematica Finanziaria. Rivista Tecnica del Credito e della Previdenza. (Rome.)

Glas Srpske Akad. Nauka. Od. Prirod.-Mat. Nauka. Glas Srpske Akademije Nauka. Odeljenje Prirodno-Matematičkih Nauka. (Belgrade.)

Godišnik Fiz.-Mat. Fak., Sofijsk. Univ., Kniga 1. See *Annuaire Fac. Sci. Phys. Math., Univ. Sofia, Livre 1.*

Godišnjak Tehn. Fak. Univ. Beograd. Godišnjak Tehničkog Fakulteta Univerziteta u Beogradu.

Göteborgs Kungl. Vetenskaps-och Vitterhets-Samhälles Handlingar.

Half-Yearly J. Mysore Univ. Sect. B. The Half-Yearly Journal of the Mysore University. Section B—Science, Including Medicine and Engineering.

Hallische Monographien. (Halle (Saale).)

Helv. Phys. Acta. Helvetica Physica Acta. (Basel.)

Hochfrequenztech. Elektroak. Hochfrequenztechnik und Elektroakustik. (Leipzig.)

Houille Blanche. La Houille Blanche. Revue de L'Ingénieur Hydraulicien. (Grenoble.)

Hrvatsko Prirod. Društvo. Glasnik Mat.-Fiz. Astr. Ser. II. Hrvatsko Prirodoslovno Društvo. Societas Scientiarum Naturalium Croatica. Glasnik Matematičko-Fizički i Astronomski. Periodicum Mathematico-Physicum et Astronomicum. Serija II. (Zagreb.)

Indag. Math. See *Nederl. Akad. Wetensch. Indag. Math.*

Indian J. Phys. Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science. (Calcutta.)

Indian J. Theoret. Phys. Indian Journal of Theoretical Physics. (Calcutta.)
Indiana Univ. Publ. Sci. Ser. Indiana University Publications. Science Series. (Bloomington, Ind.)
Indust. Math. Industrial Mathematics. (Detroit.)
Ing.-Arch. Ingenieur-Archiv. (Berlin-Göttingen-Heidelberg.)
Inst. Grand-Ducal Luxembourg. Sect. Sci. Nat. Phys. Math. Arch. N.S. Institut Grand-Ducal de Luxembourg. Section des Science Naturelles, Physiques et Mathématiques. Archives.
Inst. Roy. Météorol. Belg. Mém. Institut Royal Météorologique de Belgique. Mémoires. Koninklijk Meteorologisch Instituut van België. Verhandelingen. (Brussels.)
Inst. Roy. Météorol. Belg. Misc. Institut Royal Météorologique de Belgique. Miscellanées. (Bruxelles.)
Inst. Roy. Météorol. Belg. Publ. Ser. B. Institut Royal Météorologique de Belgique. Publications. Serie B. (Bruxelles.)
Inžen. Sb. Akademiya Nauk SSSR. Otdelenie Techničeskih Nauk. Institut Mehaniki. Inženernyĭ Sbornik.
Iowa State Coll. J. Sci. Iowa State College Journal of Science. (Ames, Ia.)
Isis. Isis. An International Review Devoted to the History of Science and Civilization. (Cambridge, Mass.)
Ist. Lombardo Sci. Lett. Rend. Cl. Sci. Mat. Nat. Istituto Lombardo di Scienze e Lettere. Rendiconti. Classe di Scienze Matematiche e Naturali.
Ist. Veneto Sci. Lett. Arti. Atti Cl. Sci. Mat. Nat. Istituto Veneto di Scienze, Lettere ed Arti. Venezia. Atti. Classe di Scienze, Matematiche e Naturali. (Venice.)
İstanbul. Tek. Univ. Bül. See *Bull. Tech. Univ. Istanbul.*
İstanbul Üniv. Fen Fak. Mecmuası. See *Rev. Fac. Sci. Univ. Istanbul.*
Istor.-Mat. Issled. Istoriko-Matematičeskie Issledovaniya. (Moscow-Leningrad.)
Izv. Akad. Nauk Azerbaĭdžan. SSR. Izvestiya Akademiya Nauk Azerbaidžanskoĭ SSR. (Baku. Title also in Azerbaidjan.)
Izv. Akad. Nauk Kazah. SSR. Ser. Astr. Fiz. Mat. Meh. Izvestiya Akademii Nauk Kazahskoĭ SSR. Seriya Astronomii, Fiziki, Matematiki i Mehaniki. (Alma Alta. Title also in Kazak.)
Izv. Akad. Nauk Latvīsk. SSR. See *Latvijas PSR Zinātņu Akad. Vēstis.*
Izv. Akad. Nauk SSSR. Otd. Tehn. Nauk. Izvestiya Akademii Nauk SSSR. Otdelenie Tehničeskih Nauk.
Izv. Akad. Nauk SSSR. Ser. Fiz. Izvestiya Akademii Nauk SSSR. Seriya Fizičeskaya.
Izv. Akad. Nauk SSSR. Ser. Geofiz. Izvestiya Akademii Nauk SSSR. Seriya Geofizičeskaya. (Moscow.)
Izv. Akad. Nauk SSSR. Ser. Istor. Filos. Izvestiya Akademii Nauk SSSR. Seriya Istorii i Filosifii.
Izv. Akad. Nauk SSSR. Ser. Mat. Izvestiya Akademii Nauk SSSR. Seriya Matematičeskaya.
Izv. Astr. Obs. Pulkovo. Izvestiya Astronomičeskoĭ Observatorii v Pulkovo.
Izv. Bulgar. Akad. Nauk. Otd. Fiz.-Mat. Tehn. Nauk. Ser. Fiz. Izvestiya na Bŭlgarskata Akademiya na Naukite. Otdelenie za Fiziko-Matematičeski i Tehničeski Nauki. Seriya Fizičeska. (Sofia.)
Izv. Kazan. Filial. Akad. Nauk SSSR. Ser. Fiz.-Mat. Tehn. Nauk. Izvestiya Kazanskogo Filiala Akademii Nauk SSSR. Seriya Fiziko-Matematičeskih i Tehničeskih Nauk.
Izv. Krym. Astrofiz. Obs. Akademiya Nauk SSSR. Izvestiya Krymskoĭ Astrofizičeskoĭ Observatorii. Incomplete
J. Acoust. Soc. Amer. The Journal of the Acoustical Society of America. (New York.)
J. Aero. Sci. Journal of the Aeronautical Sciences. (New York.)
J. Amer. Oriental Soc. Journal of the American Oriental Society. (Boston, Mass.)
J. Amer. Statist. Assoc. Journal of the American Statistical Association. (Washington, D. C.)
J. Analyse Math. Journal d'Analyse Mathématique. (Jerusalem.)
J. Annamalai Univ. Journal of the Annamalai University.
J. Appl. Mech. Journal of Applied Mechanics. (New York.)
J. Appl. Phys. Journal of Applied Physics. (New York.)
J. Assoc. Comput. Mach. Journal of the Association for Computing Machinery. (New York.)
J. Bombay Branch Roy. Asiatic Soc. Journal of the Bombay Branch of the Royal Asiatic Society.
J. Burma Res. Soc. Journal of the Burma Research Society. (Rangoon.)
J. Chem. Phys. The Journal of Chemical Physics. (New York.)
J. Comput. Systems. The Journal of Computing Systems. (St. Paul, Minn.)
J. Elisha Mitchell Sci. Soc. Journal of the Elisha Mitchell Scientific Society. (Chapel Hill, N. C.)
J. Fac. Engrg. Univ. Tokyo. Journal of the Faculty of Engineering. University of Tokyo.
J. Fac. Sci. Hokkaido Univ. Ser. I. Journal of the Faculty of Science. Hokkaido University. Series I. Mathematics. (Sapporo.)
J. Fac. Sci. Hokkaido Univ. Ser. II. Journal of the Faculty of Science. Hokkaido University. Series II. Physics. (Sapporo.)
J. Fac. Sci. Univ. Tokyo. Sect. I. Journal of the Faculty of Science. University of Tokyo. Section I. Mathematics, Astronomy, Physics, Chemistry.
J. Franklin Inst. Journal of the Franklin Institute. (Philadelphia, Pa.)
J. Gakugei Coll., Tokushima Univ. (Nat. Sci.). Journal of the Gakugei College, Tokushima University (Natural Science). (Tokushima. Title varies.)
J. Geol. The Journal of Geology. (Chicago, Ill.)
J. Hist. Ideas. Journal of the History of Ideas. (New York.)
J. Indian Inst. Sci. Journal of the Indian Institute of Science. (Bangalore.)
J. Indian Math. Soc. The Journal of the Indian Mathematical Society. (Madras.)
J. Indian Soc. Agric. Statist. Journal of the Indian Society of Agricultural Statistics. (New Delhi.)
J. Inst. Actuar. Journal of the Institute of Actuaries. (London.)
J. Inst. Actuar. Students' Soc. Journal of the Institute of Actuaries Students' Society. (Cambridge, England.)
J. Inst. Elec. Engrs. Journal of the Institution of Electrical Engineers. (London. Formerly: *Proc. Inst. Elec. Engrs. Part I.*)
J. Inst. Polytech. Osaka City Univ. Ser. A. Journal of the Institute of Polytechnics. Osaka City University. Series A. Mathematics.
J. Inst. Polytech. Osaka City Univ. Ser. B. Journal of the Institute of Polytechnics. Osaka City University. Series B. Physics.
J. Jap. Soc. Appl. Mech. Journal of the Japan Society for Applied Mechanics. (Tokyo. Title varies.)
J. London Math. Soc. The Journal of the London Mathematical Society.
J. Madras Inst. Tech. The Journal of the Madras Institute of Technology.
J. Madras Univ. Sect. B. Journal of the Madras University. Section B.
J. Maharaja Sayajirao Univ. Baroda. Journal of the Maharaja Sayajirao University of Baroda. (Baroda.)
J. Marine Res. Journal of Marine Research. (New Haven, Conn.)
J. Math. Phys. Journal of Mathematics and Physics. (Cambridge, Mass.)
J. Math. Pures Appl. Journal de Mathématiques Pures et Appliquées. (Paris.)
J. Math. Soc. Japan. Journal of the Mathematical Society of Japan. (Tokyo.)
J. Math., Tokyo. Journal of Mathematics. (Metropolitan Institute for Mathematics, Tokyo.)
J. Mech. Phys. Solids. Journal of the Mechanics and Physics of Solids. (London.)
J. Meteorol. The Journal of Meteorology. (Boston, Mass.)
J. Operations Res. Soc. Amer. Journal of the Operations Research Society of America. (Chevy Chase, Md.)
J. Opt. Soc. Amer. Journal of the Optical Society of America. (New York.)
J. Osaka Inst. Sci. Tech. Part I. Journal of the Osaka Institute of Science and Technology (Kinki University). Part I. Mathematics and Physics.
J. Phys. Chem. The Journal of Physical Chemistry. (Easton, Pa.)
J. Phys. Radium. Le Journal de Physique et le Radium. (Paris.)
J. Phys. Soc. Japan. Journal of the Physical Society of Japan. (Tokyo.)
J. Proc. Roy. Soc. New South Wales. Journal and Proceedings of the Royal Society of New South Wales.
J. Rational Mech. Anal. Journal of Rational Mechanics and Analysis. (Bloomington, Ind.)
J. Rech. Centre Nat. Rech. Sci. Journal des Recherches du Centre National de la Recherche Scientifique. (Paris.)
J. Reine Angew. Math. Journal für die Reine und Angewandte Mathematik. (Berlin.)
J. Res. Nat. Bur. Standards. Journal of Research of the National Bureau of Standards. (Washington, D. C.)
J. Roy. Aero. Soc. The Journal of the Royal Aeronautical Society. (London.)

J. Roy. Asiatic Soc. Bengal. Sci. Journal of the Royal Asiatic Society of Bengal. Science. (Calcutta.)
J. Roy. Astr. Soc. Canada. The Journal of the Royal Astronomical Society of Canada. (Toronto.)
J. Roy. Statist. Soc. Ser. A. Journal of the Royal Statistical Society. Series A. (General.) (London.)
J. Roy. Statist. Soc. Ser. B. Journal of the Royal Statistical Society. Series B. (Methodological.) (London.)
J. Sci. Hiroshima Univ. Ser. A. Journal of Science of the Hiroshima University. Series A (Mathematics, Physics, Chemistry).
J. Sci. Instrum. Journal of Scientific Instruments. (London.)
J. Sci. Météorol. Journal Scientifique de la Météorologie. (Paris.)
J. Sci. Res. Banaras Hindu Univ. The Journal of Scientific Research of the Banaras Hindu University.
J. Sci. Res. Inst. Tokyo. Journal of the Scientific Research Institute. (Tokyo.)
J. Soc. Indust. Appl. Math. Journal of the Society for Industrial and Applied Mathematics. (Philadelphia.)
J. Soc. Statist. Paris. Journal de la Société de Statistique de Paris.
J. Symb. Logic. The Journal of Symbolic Logic. (Baltimore, Md.)
J. Univ. Bombay. Journal of the University of Bombay.
J. Washington Acad. Sci. Journal of the Washington Academy of Sciences. (Washington, D. C.)
Jap. J. Math. Japanese Journal of Mathematics. (Tokyo.)
Jap. Sci. Rev. Ser. I. The Japan Science Review. Series I. Engineering Sciences. (Tokyo.)
Jber. Deutsch. Math. Verein. Jahresbericht der Deutschen Mathematiker Vereinigung. (Stuttgart.)
Jbuch. Bayer. Akad. Wiss. München. Jahrbuch der Bayerischen Akademie der Wissenschaften. (München.)
Jugoslav. Akad. Znan. Umjet. Rasprave Odj. Mat. Fiz. Tehn. Nauke. Jugoslavenska Akademija Znanosti i Umjetnosti. Rasprave Odjela za Matematičke, Fizičke i Tehničke Nauke. (Zagreb.)
Kiïv. Derž. Univ. Publ. Kiïv. Astr. Obs. Kiïvs'kiï Deržavniï Universitet im. T. G. Ševčenka. Publikaciï Kievskoï Astronomičeskoï Observatorii. Publikaciï Kiïvs'koï Astronomičnoï Observatoriï. (Kiev.)
Kôdai Math. Sem. Rep. Kôdai Mathematical Seminar Reports. (Tokyo.)
Kumamoto J. Sci. Ser. A. Kumamoto Journal of Science. Series A (Mathematics, Physics and Chemistry).
Kungl. Fysiogr. Sällsk. i Lund Förh. Kungl. Fysiografiska Sällskapets i Lund Förhandlingar. Proceedings of the Royal Physiographic Society at Lund.
Kungl. Lantbrukshögsk. Ann. Annals of the Royal Agricultural College. Kungl. Lantbrukshögskolans Annaler. (Uppsala.)
Kungl. Tekn. Högsk. Handl. Stockholm. Kungl. Tekniska Högskolans Handlingar. Transactions of the Royal Institute of Technology, Stockholm, Sweden.
La Météorol. La Météorologie. (Paris.)
Latvijas PSR Zinātņu Akad. Vēstis. Latvijas PSR Zinātņu Akademijas Vēstis. Izvestiya Akademii Nauk Latviïskoï SSR. (Riga.)
Leningrad. Gos. Univ. Uč. Zap. Ser. Mat. Nauk. Leningradskiï Gosudarstvennyï Ordena Lenina Universitet im. A. A. Ždanova. Učenye Zapiski. Seriya Matematičeskih Nauk.
Lunds Univ. Årsskr. N.F. Avd. 2 = Kungl. Fysiogr. Sällsk. i Lund Handl. N.F. Acta Universitatis Lundensis. Nova Series. Lunds Universitets Årsskrift. Ny Följd. Andra Avdelningen. = Acta Regiae Societatis Physiographicae Lundensis. Kungl. Fysiografiska Sällskapets i Lund Handlingar. Ny Följd. (Lund.)
Magyar Tud. Akad. Alkalm. Mat. Int. Közl. A Magyar Tudományos Akadémia Alkalmazott Matematikai Intézetének Közleményei. (Budapest.)
Magyar Tud. Akad. Mat. Fiz. Oszt. Közl. A Magyar Tudományos Akadémia Matematikai és Természettudományi Osztályának Közleményei. (Budapest.)
Mat.-Fyz. Časopis. Slovensk. Akad. Vied. Matematicko-Fyzikálny Časopis. Slovenská Akadémie Vied. (Bratislava. Formerly: *Mat.-Fiz. Sbornik Slovensk. Akad. Vied Umení.*)
Mat. Lapok. Matematikai Lapok. Bolyai János Matematikai Társulat. (Budapest.)
Mat.-Přírod. Rozhledy. Československá Akademie Věd. Matematicko-Přírodovědecké Rozhledy. Populárně Vědecký Časopis. (Prague.)
Mat. Sb. Akademiya Nauk SSSR i Moskovskoe Matematičeskoe Obščestvo. Matematičeskiï Sbornik. (Moscow.)
Mat. Tanítása. A Matematika Tanítása. (Budapest.)
Mat. v Škole. Matematika v Škole. (Moscow.)
Matematiche, Catania. Le Matematiche. (Catania.)
Math. Ann. Mathematische Annalen. (Berlin-Göttingen-Heidelberg.)
Math. Centrum Amsterdam. Rap. Mathematisch Centrum. Amsterdam. Rapport. Incomplete
Math. Centrum Amsterdam. Scriptum. Mathematisch Centrum. Scriptum. (Amsterdam.) Incomplete
Math. Gaz. The Mathematical Gazette. (London.)
Math. J. Okayama Univ. Mathematical Journal of Okayama University.
Math. Japon. Mathematica Japonicae. (Kobe.)
Math. Mag. Mathematics Magazine. (Pacoima, Calif.)
Math. Nachr. Mathematische Nachrichten. (Berlin.)
Math. Naturwiss. Unterricht. Der mathematische und naturwissenschaftliche Unterricht. (Bonn.)
Math. Notae. Mathematicae Notae. Boletín del Instituto de Matemática. (Rosario.)
Math.-Phys. Semesterber. Mathematisch-Physikalische Semesterberichte. (Göttingen.)
Math. Res. Group, Washington Sq. Coll. Arts Sci., New York Univ., Res. Rep. Mathematics Research Group, Washington Square College of Arts and Science, New York University, Research Report.
Math. Scand. Mathematica Scandinavica. (Copenhagen.)
Math. Student. The Mathematics Student. (Madras.)
Math. Tables Aids Comput. Mathematical Tables and Other Aids to Computation. (Washington, D. C.)
Math. Z. Mathematische Zeitschrift. (Berlin-Göttingen-Heidelberg.)
Mathematika. Mathematika. A Journal of Pure and Applied Mathematics. (London.)
Mathesis. Mathesis. Recueil Mathématique à l'Usage des Écoles Spéciales et des Établissements d'Instruction Moyenne. (Mons.)
Mech. Engrg. Mechanical Engineering. (New York.)
Medd. Lunds Astr. Obs. Meddelande från Lunds Astronomiska Observatorium.
Medd. Lunds Univ. Mat. Sem. Meddelanden från Lunds Universitets Matematiska Seminarium. Communications du Séminaire Mathématique de l'Université de Lund.
Meded. Kon. Vlaamse Acad. Kl. Wetensch. Mededelingen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België. Klasse der Wetenschappen. (Brussels.)
Mém. Acad. Sci. Inst. France. Mémoires de l'Académie des Sciences de l'Institut de France. (Paris.)
Mem. Accad. Sci. Ist. Bologna. Cl. Sci. Fis. Memorie della Accademia delle Scienze dell'Istituto di Bologna. Classe di Scienze Fisiche. (Title varies.)
Mem. Accad. Sci. Torino. Cl. Sci. Fis. Mat. Nat. Memorie della Reale Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali.
Mem. Amer. Math. Soc. Memoirs of the American Mathematical Society.
Mem. Amer. Philos. Soc. Memoirs of the American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge.
Mém. Artill. Franç. Mémorial de l'Artillerie Française. (Paris.)
Mem. Coll. Sci. Univ. Kyoto. Ser. A. Memoirs of the College of Science. University of Kyoto. Series A.
Mem. Coll. Sci. Univ. Kyoto. Ser. A. Math. Memoirs of the College of Science. University of Kyoto. Series A. Mathematics. (See Math. Rev. 13, 418.)
Mem. Fac. Engrg. Kyoto Univ. Memoirs of the Faculty of Engineering, Kyoto University.
Mem. Fac. Sci. Kyūsyū Univ. Ser. A. Memoirs of the Faculty of Science. Kyūsyū University. Series A. Mathematics.
Mem. Fac. Tech. Tokyo Metro. Univ. Memoirs of Faculty of Technology. Tokyo Metropolitan University.
Mém. Inst. Geodés. Danemark. See *Geodaet. Inst. Skr.*
Mem. Lib. Arts Dept. Fukui Univ. Memoirs of the Liberal Arts Department, Fukui University.
Mem. Mat. Inst. "Jorge Juan." Consejo Superior de Investigaciones Científicas. Memorias de Matemática del Instituto "Jorge Juan." (Madrid.)
Mem. Proc. Manchester Lit. Philos. Soc. Memoirs and Proceedings of the Manchester Literary & Philosophical Society.
Mem. Real Acad. Ci. Art. Barcelona. Memorias de la Real Academia de Ciencias y Artes de Barcelona.
Mem. Roy. Astr. Soc. Memoirs of the Royal Astronomical Society. (London.)
Mem. School Sci. Engrg. Waseda Univ., Tokyo. Memoirs of the School of Science and Engineering, Waseda University, Tokyo. (Formerly: *Mem. Fac. Sci. Eng. Waseda Univ.*)

Mem. Soc. Astr. Ital. Memorie della Società Astronomica Italiana. (Milan.)

Mém. Soc. Roy. Sci. Liège. Mémoires de la Société Royale des Sciences de Liège.

Meteorol. Service. Geophys. Publ., Dublin. An Roinn Tionscail agus Tráchtála, an tSeirbhís Mhetéaríochta. Foilseacháin Gheofisice. Department of Industry and Commerce, Meteorological Service. Geophysical Publications. (Dublin.)

Methodos. (Milano.)

Metron. (Rome.)

Michigan Math. J. The Michigan Mathematical Journal. (Ann Arbor, Mich.)

Mind. Mind. A Quarterly Review of Psychology and Philosophy. (London.)

Mitt. Deutsch. Akad. Luftfahrtf. Mitteilungen der Deutschen Akademie der Luftfahrtforschung. (Berlin.)

Mitt. Inst. Angew. Math. Zürich. Mitteilungen aus dem Institut für angewandte Mathematik an der Eidgenössischen Technischen Hochschule in Zürich. Classed Separately

Mitt. Math. Ges. Hamburg. Mitteilungen der Mathematischen Gesellschaft in Hamburg.

Mitt. Math. Sem. Giessen. Mitteilungen aus dem Mathematischen Seminar Giessen. (Title varies.)

Mitt. Naturf. Ges. Bern. Mitteilungen der Naturforschenden Gesellschaft Bern.

Mitt. Verein. Schweiz. Versich.-Math. Mitteilungen der Vereinigung Schweizerischer Versicherungsmathematiker. Bulletin de l'Association des Actuaires Suisses. (Bern.)

Mitteilungsbl. Math. Statist. Mitteilungsblatt für mathematische Statistik. (München.)

Monatsh. Math. Monatshefte für Mathematik. (Vienna.)

Monthly Not. Roy. Astr. Soc. Monthly Notices of the Royal Astronomical Society. (London.)

Monthly Not. Roy. Astr. Soc. Geophys. Suppl. Monthly Notices of the Royal Astronomical Society. Geophysical Supplement. (London.)

Moskov. Gos. Univ. Soobšč. Astr. Inst. Moskovskiĭ Ordena Lenina Gosudarstvennyĭ Universitet imeni M. V. Lomonosova. Soobščeniya Gosudarstvennogo Astronomičeskogo Instituta imeni P. K. Šternberga.

Moskov. Gos. Univ. Trudy Gos. Astr. Inst. Moskovskiĭ Ordena Lenina Gosudarstvennyĭ Universitet imeni M. V. Lomonosova. Trudy Gosudarstvennogo Astronomičeskogo Instituta imeni P. K. Šternberga. (Moscow.)

Moskov. Gos. Univ. Uč. Zap. Fiz. Moskovskiĭ Ordena Lenina Gosudarstvennyĭ Universitet imeni M. V. Lomonosova. Učenye Zapiski. Fizika. (Moscow.)

Moskov. Gos. Univ. Uč. Zap. Mat. Moskovskiĭ Ordena Lenina Gosudarstvennyĭ Universitet imeni M. V. Lomonosova. Učenye Zapiski. Matematika. (Moscow.)

Moskov. Gos. Univ. Uč. Zap. Meh. Moskovskiĭ Ordena Lenina Gosudarstvennyĭ Universitet imeni M. V. Lomonosova. Učenye Zapiski. Mehanika. (Moscow.)

NACA Rep. National Advisory Committee for Aeronautics. Report.

NACA Tech. Memo. National Advisory Committee for Aeronautics. Technical Memorandum. (Washington, D. C.)

NACA Tech. Note. National Advisory Committee for Aeronautics. Technical Note.

Nachr. Akad. Wiss. Göttingen. Math.-Phys. Kl. IIa. Nachrichten der Akademie der Wissenschaften in Göttingen. Mathematisch-Physikalische Klasse. IIa. Mathematisch-Physikalisch-Chemische Abteilung.

Nagoya Math. J. Nagoya Mathematical Journal.

Nat. Acad. Sci. U.S.A. Biogr. Mem. National Academy of Sciences of the United States of America. Biographical Memoirs. (Washington, D. C.)

Nat. Luchtvaartlab. Amsterdam. Rep. Nationaal Luchtvaartlaboratorium. National Aeronautical Research Institute, Amsterdam. Report. (Title varies.)

Nat. Sci. Rep. Ochanomizu Univ. Natural Science Report of the Ochanomizu University. (Tokyo.)

Nature. Nature. (London.)

Naturf. Ges. Bamberg. Ber. Naturforschende Gesellschaft Bamberg. Bericht. (Title varies.) Incomplete

Naturwissenschaften. Die Naturwissenschaften. (Berlin-Göttingen-Heidelberg.)

Naval Res. Logist. Quart. Naval Research Logistics Quarterly. (Washington, D. C.)

Nederl. Akad. Wetensch. Indag. Math. Koninklijke Nederlandse Akademie van Wetenschappen. Indagationes Mathematicae ex Actis Quibus Titulis. Proceedings of the Section of Sciences. (Amsterdam.)

Nederl. Akad. Wetensch. Proc. Ser. A. Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series A. Mathematical Sciences. (Amsterdam.)

Nederl. Akad. Wetensch. Proc. Ser. B. Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series B. Physical Sciences. (Amsterdam.)

Nederl. Akad. Wetensch. Verslagen, Afd. Natuurk. Koninklijke Nederlandse Akademie van Wetenschappen. Verslagen van de Gewone Vergaderingen der Afdeeling Natuurkunde. (Title varies.) (Amsterdam.)

Nederl. Tijdschr. Natuurk. Nederlands Tijdschrift voor Natuurkunde. (Utrecht.)

New Zealand J. Sci. Tech. Sect. B. New Zealand Journal of Science and Technology. B. General Research Section. (Wellington.)

Nieuw Arch. Wisk. Nieuw Archief voor Wiskunde. (Groningen.)

Nieuw Tijdschr. Wisk. Nieuw Tijdschrift voor Wiskunde. (Groningen-Djakarta.)

Nordisk Mat. Tidskr. Nordisk Matematisk Tidskrift. (Oslo.)

Norske Vid. Selsk. Skr., Trondheim. Det Kongelige Norske Videnskabers Selskabs Skrifter. (Trondheim.)

Notas de Mat. Notas de Matemática. (Rio de Janeiro.)

Nova Acta Leopoldina (N.F.) Nova Acta Leopoldina. Abhandlungen der deutschen Akademie der Naturforscher (Leopoldina) zu Halle/Saale. Neue Folge. (Leipzig.)

Nova Acta Soc. Sci. Upsal. Nova Acta Regiae Societatis Scientiarum Upsaliensis.

Nuovo Cimento. Il Nuovo Cimento. (Bologna.)

Obit. Notices Roy. Soc. London. Obituary Notices of Fellows of the Royal Society.

Observatory. The Observatory. A Review of Astronomy. (Hailsham.)

Occas. Notes. Roy. Astr. Soc. Occasional Notes. Royal Astronomical Society. (London.)

Ohio J. Sci. The Ohio Journal of Science. (Columbus, Ohio.)

O.N.E.R.A. Note Tech. Office National d'Études et de Recherches Aéronautiques. Note Technique. (Paris.)

O.N.E.R.A. Publ. Office National d'Études et de Recherches Aéronautiques. Publication. (Paris.)

O.N.E.R.A. Rap. Tech. Office National d'Études et de Recherches Aéronautiques. Rapport Technique. (Paris.)

Opt. Acta. Optica Acta. (Paris.)

Optik. Optik. Zeitschrift für das gesamte Gebiet der Licht und Elektronenoptik. (Stuttgart.)

Osaka Math. J. Osaka Mathematical Journal.

Osiris. Osiris. Commentationes de Scientiarum et Eruditionis Historia Rationeque. (Bruges.)

Österreich. Akad. Wiss. Math.-Nat. Kl. S.-B. IIa. Österreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. Abteilung IIa. Mathematik, Astronomie, Physik, Meteorologie und Technik. (Vienna.)

Österreich. Ing.-Arch. Österreichisches Ingenieur-Archiv. (Vienna.)

Österreich. Z. Vermessgswes. Österreichische Zeitschrift für Vermessungswesen. (Vienna.)

Österreich. Z. Vermessgswes. Sonderheft. Sonderheft der Österreichischen Zeitschrift für Vermessungswesen. (Vienna.)

Ottica (N.S.). Ottica. Nuova Serie. (Firenze.)

Pacific J. Math. Pacific Journal of Mathematics. (Berkeley, Calif.)

Pakistan J. Sci. Pakistan Journal of Science. (Lahore.)

Period. Mat. Periodico di Matematiche. (Bologna.)

Phil. Mag. The Philosophical Magazine. A Journal of Theoretical, Experimental and Applied Science. (London.)

Philips Res. Rep. Philips Research Reports. (Eindhoven.)

Philips Tech. Rev. Philips Technical Review. (Eindhoven.)

Philos. Sci. Philosophy of Science. (Baltimore, Md.)

Philos. Trans. Roy. Soc. London. Ser. A. Philosophical Transactions of the Royal Society of London. Series A. Mathematical and Physical Sciences.

Phys. Rev. The Physical Review. (New York.)

Physica. (Amsterdam.)

Pi Mu Epsilon J. Pi Mu Epsilon Journal. (Syracuse, N. Y.)

Pont. Acad. Sci. Acta. Pontificia Academia Scientiarum. Acta.

Pont. Acad. Sci. Comment. Pontificia Academia Scientiarum. Commentationes.

Portugal. Math. Portugaliae Mathematica. (Lisbon.)

Portugal. Phys. Portugaliae Physica. (Lisbon.)

Práce Moravskoslezské Akad. Věd Přírod., Brno. Práce Moravskoslezské Akademie Věd Přírodních, Brno. Acta Academiae Scientiarum Naturalium Moravo-Silesiacae, Brno.

Prakt. Akad. Athēnōn. Πρακτικὰ τῆς Ἀκαδημίας Ἀθηνῶν.

Prikl. Mat. Meh. Akademiya Nauk SSSR. Otdelenie Tehničeskih Nauk. Institut Mehaniki. Prikladnaya Matematika i Mehanika.

Proc. Amer. Acad. Arts Sci. Proceedings of the American Academy of Arts and Sciences. (Boston, Mass.)

Proc. Amer. Math. Soc. Proceedings of the American Mathematical Society.

Proc. Amer. Philos. Soc. Proceedings of the American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge.

Proc. Amer. Soc. Civil Engrs. Proceedings of the American Society of Civil Engineers. (New York.)

Proc. Cambridge Philos. Soc. Proceedings of the Cambridge Philosophical Society.

Proc. Edinburgh Math. Soc. Proceedings of the Edinburgh Mathematical Society.

Proc. Egyptian Acad. Sci. Proceedings of the Egyptian Academy of Sciences. (Cairo.)

Proc. Fac. Engrg. Keio Univ. Proceedings of the Fujihara Memorial Faculty of Engineering Keio University. (Tokyo. Formerly: Keiogijuku Univ.)

Proc. Glasgow Math. Assoc. Proceedings of the Glasgow Mathematical Association.

Proc. I. R. E. Proceedings of the I R E. A Journal of Communications and Electronic Engineering. (Title varies.) (New York.)

Proc. Indian Acad. Sci. Sect. A. Proceedings of the Indian Academy of Sciences. Section A. (Bangalore.)

Proc. Inst. Elec. Engrs. A. The Proceedings of the Institution of Electrical Engineers. Part A. Power Engineering. (London. Formerly: Part II.)

Proc. Inst. Elec. Engrs. B. The Proceedings of the Institution of Electrical Engineers. Part B. Radio and Electronic Engineering (including Communication Engineering.) (London. Formerly: Part III.)

Proc. Inst. Elec. Engrs. C. The Proceedings of the Institution of Electrical Engineers. Part C. Monographs. (London. Formerly: Part IV.)

Proc. Inst. Mech. Engrs. Proceedings of the Institution of Mechanical Engineers. (London.)

Proc. Iowa Acad. Sci. Proceedings of the Iowa Academy of Science. (Des Moines.)

Proc. Japan Acad. Proceedings of the Japan Academy. (Tokyo.)

Proc. London Math. Soc. Proceedings of the London Mathematical Society.

Proc. Math. Phys. Soc. Egypt. Proceedings of the Mathematical and Physical Society of Egypt. (Cairo.)

Proc. Nat. Acad. Sci. India. Sect. A. Proceedings of the National Academy of Sciences, India. Section A. (Allahabad.)

Proc. Nat. Acad. Sci. U.S.A. Proceedings of the National Academy of Sciences of the United States of America. (Washington, D. C.)

Proc. Nat. Inst. Sci. India. Proceedings of the National Institute of Sciences of India. (Delhi.)

Proc. Phys. Soc. Sect. A. The Proceedings of the Physical Society. Section A. (London.)

Proc. Phys. Soc. Sect. B. The Proceedings of the Physical Society. Section B. (London.)

Proc. Roy. Inst. Great Britain. Proceedings of the Royal Institution of Great Britain. (London.) Have To v.32, 1941/43

Proc. Roy. Irish Acad. Sect. A. Proceedings of the Royal Irish Academy. Section A. (Dublin.)

Proc. Roy. Physiogr. Soc. Lund. See *Kungl. Fysiogr. Sällsk. i Lund Förh.*

Proc. Roy. Soc. Edinburgh. Sect. A. Proceedings of the Royal Society of Edinburgh. Section A. (Mathematical and Physical Sciences.)

Proc. Roy. Soc. London. Ser. A. Proceedings of the Royal Society of London. Series A. Mathematical and Physical Sciences.

Proc. Roy. Soc. London. Ser. B. Proceedings of the Royal Society of London. Series B. Biological Sciences.

Progr. Theoret. Phys. Progress of Theoretical Physics. (Osaka.)

Psychometrika. Psychometrika. A Journal Devoted to the Development of Psychology as a Quantitative Rational Science. (Chapel Hill, N. C.)

Publ. Astr. Soc. Pacific. Publications of the Astronomical Society of the Pacific. (San Francisco, Calif.)

Publ. Fac. Sci. Univ. Masaryk. Spisy Vydávané Přírodovědeckou Fakultou Masarykovy University. Trudy Estestvenno-Istoričeskogo Fakulteta Universiteta im. T. G. Masarika. Publications de la Faculté des Sciences de l'Université Masaryk. (Brno.)

Publ. Inst. Math. Univ. Strasbourg. Publications de l'Institut de Mathématiques de l'Université de Strasbourg.

Publ. Inst. Statist. Univ. Paris. Publications de l'Institut de Statistique de l'Université de Paris.

Publ. Istanbul Univ. Obs. İstanbul Üniversitesi Observatuari Yazıları. Publications of the Istanbul University Observatory.

Publ. Math. Debrecen. Publicationes Mathematicae. (Debrecen.)

Publ. Nat. Tech. Univ. Athens. Ἐθνικὸν Μετσοβίου Πολυτεχνεῖον. Ἐπιστημονικὰ Δημοσιεύματα. Publications from the National Technical University. (Athens.)

Publ. Sci. Tech. Ministère de l'Air, Paris. Publications Scientifiques et Techniques du Ministère de l'Air. (Paris.)

Publ. Sci. Tech. Ministère de l'Air, Paris, Bull. Serv. Tech. Publications Scientifiques et Techniques du Ministère de l'Air. Bulletins des Services Techniques. (Paris.)

Publ. Sci. Tech. Ministère de l'Air, Paris, Notes Tech. Publications Scientifiques et Techniques du Ministère de l'Air. Notes Techniques. (Paris.) Incomplete

Quart. Appl. Math. Quarterly of Applied Mathematics. (Providence, R. I.)

Quart. J. Indian Inst. Sci. Quarterly Journal of the Indian Institute of Science. (Bangalore.)

Quart. J. Math. Oxford Ser. (2). The Quarterly Journal of Mathematics, Oxford Second Series.

Quart. J. Mech. Appl. Math. The Quarterly Journal of Mechanics and Applied Mathematics. (Oxford.)

Rad Jugoslav. Akad. Znan. Umjet. Odjel Mat. Fiz. Tehn. Nauke. Rad Jugoslavenske Akademije Znanosti i Umjetnosti. Odjel za Matematičke, Fizičke i Tehničke Nauke. (Zagreb.)

Rech. Aéro. La Recherche Aéronautique. (Paris.)

Rend. Accad. Naz. dei XL. Rendiconti, Accademia Nazionale dei XL. (Rome.)

Rend. Accad. Sci. Fis. Mat. Napoli. Società Nazionale di Napoli. Rendiconto dell'Accademia delle Scienze Fisiche e Matematiche.

Rend. Circ. Mat. Palermo. Rendiconti del Circolo Matematico di Palermo.

Rend. Mat. e Appl. Università di Roma. Istituto Nazionale di Alta Matematica. Rendiconti di Matematica e delle sue Applicazioni.

Rend. Sem. Fac. Sci. Univ. Cagliari. Rendiconti del Seminario della Facoltà di Scienze della Università di Cagliari.

Rend. Sem. Mat. Fis. Milano. Rendiconti del Seminario Matematico e Fisico di Milano.

Rend. Sem. Mat. Univ. Padova. Rendiconti del Seminario Matematico della Università di Padova.

Rend. Sess. Accad. Sci. Ist. Bologna. Rendiconto delle Sessioni della Accademia delle Scienze dell'Istituto di Bologna. Classe di Scienze Fisiche. (Title varies.)

Rep. Inst. Sci. Tech. Univ. Tokyo. The Reports of the Institute of Science and Technology, University of Tokyo.

Rep. Progr. Phys. Reports on Progress in Physics. (London.)

Rep. Res. Inst. Appl. Mech. Kyushu Univ. Reports of Research Institute for Applied Mechanics. Kyushu University. (Fukuoka.)

Rep. Statist. Appl. Res. Un. Jap. Sci. Engrs. Reports of Statistical Application Research. Union of Japanese Scientists and Engineers. (Tokyo.)

Rep. Univ. Electro-Commun. Reports of the University of Electro-Communications. (Tokyo. Title also in Japanese.)

Repub. Argentina. Publ. Comision Nac. Energia Atomica. Ser. Mat. Republica Argentina. Publicaciones de la Comision Nacional de la Energia Atomica. Serie Matemática. (Buenos Aires.)

Repub. Venezuela. Bol. Acad. Ci. Fis. Mat. Nat. Republica de Venezuela. Boletin de la Academia de Ciencias Fisicas, Matemáticas y Naturales. (Caracas. Formerly: *Estados Unidos de Venezuela. Bol. . . .*)

Res. Bull. East Panjab Univ. Research Bulletin of the East Panjab University. (Hoshiarpur.)

Research. Research. A Journal of Science and its Applications. (London.)

Rev. Acad. Ci. Madrid. Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales de Madrid.

Rev. Acad. Ci. Zaragoza. Revista de la Academia de Ciencias Exactas, Físico-Químicas y Naturales de Zaragoza.

Rev. Acad. Colombiana Ci. Exact. Fis. Nat. Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales. (Bogotá.)

Rev. Ci., Lima. Revista de Ciencias. (Lima.)
Rev. Científica. Revista Científica. (Rio de Janeiro.)
Rev. Fac. Ci. Univ. Coimbra. Revista da Faculdade de Ciências da Universidade de Coimbra.
Rev. Fac. Sci. Univ. Istanbul. Sér. A. İstanbul Üniversitesi Fen Fakültesi Mecmuası. Revue de la Faculté des Sciences de l'Université d'Istanbul. Seri A: Matematik. Série A: Mathématiques.
Rev. Fac. Sci. Univ. Istanbul. Sér. C. İstanbul Üniversitesi Fen Fakültesi Mecmuası. Revue de la Faculté des Sciences de l'Université d'Istanbul. Seri C: Astronomi-Fizik-Kimya. Série C: Astronomie-Physique-Chimie.
Rev. Gén. Elec. Revue Générale de l'Electricité. (Paris.)
Rev. Gén. Sci. Pures Appl. Revue Générale des Sciences Pures et Appliquées et Bulletin de la Société Philomathique. (Paris.)
Rev. Hist. Sci. Appl. Revue d'Histoire des Sciences et de Leurs Applications. (Paris.)
Rev. Inst. Internat. Statist. Revue de l'Institut International de Statistique. Review of the International Statistical Institute. (The Hague.)
Rev. Mat. Elem. Revista de Matemáticas Elementales. (Bogota.)
Rev. Mat. Hisp.-Amer. Revista Matemática Hispano-Americana. (Madrid.)
Rev. Mexicana Fís. Revista Mexicana di Fisica. (Mexico, D. F.)
Rev. Mod. Phys. Reviews of Modern Physics. (New York.)
Rev. Opt. Revue d'Optique Théorique et Instrumentale. (Paris.)
Rev. Questions Sci. Revue des Questions Scientifiques. (Paris.)
Rev. Sci. La Revue Scientifique. Revue Hebdomadaire Illustrée. (Paris.)
Rev. Sci. Instrum. The Review of Scientific Instruments. (New York.)
Rev. Soc. Cubana Ci. Fís. Mat. Revista de la Sociedad Cubana de Ciencias Físicas y Matemáticas. (Habana.)
Rev. Trimest. Canad. Revue Trimestrielle Canadienne. (Montreal.)
Rev. Un. Mat. Argentina. Revista de la Unión Matemática Argentina. (Buenos Aires.)
Rev. Univ. Católica Perú. Revista de la Universidad Católica del Perú. (Lima.)
Rev. Univ. Madrid. Ci. Revista de la Universidad de Madrid. Ciencias.
Rice Inst. Pamphlet. The Rice Institute Pamphlet. (Houston, Tex.)
Ricerca, Napoli. La Ricerca. Rivista di Matematiche Pure ed Applicate. (Napoli.)
Ricerca Sci. La Ricerca Scientifica. (Rome. Title varies.)
Ricerche Mat. Ricerche di Matematica. (Napoli.)
Riv. Mat. Univ. Parma. Rivista di Matematica della Università di Parma.
Riveon Lematematika. Riveon Lematematika. A Quarterly Journal Intended to Promote Mathematical Research Among Students of Mathematics. (Jerusalem.)
Rocznik Astr. Obserw. Krakow. Suppl. Internat. Rocznik Astronomiczny Obserwatorjum Krakowskiego. Dodatek Miedzynarodowy. Supplemento Internationale.
Rozpravy Československé Akad. Věd. Rozpravy Československé Akademie Věd. (Prague. Formerly: *Rozpravy II. Třídy České Akad.*)
Rozprawy Inż. Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Rosprawy Inżynierskie. (Warsaw.)
Rozprawy Mat. Instytut Matematyczny Polskiej Akademii Nauk. Rozprawy Matematyczne. (Warsaw.)
SAE J. S A E Journal. (New York.)
Sankhyā. Sankhyā. The Indian Journal of Statistics. (Calcutta.)
Saugar Univ. J. The Saugar University Journal. (Sagar.)
S.-B. Berlin. Math. Ges. Sitzungsberichte der Berliner Mathematischen Gesellschaft.
S.-B. Deutsch. Akad. Wiss. Berlin. Math.-Nat. Kl. Sitzungsberichte der Deutschen Akademie der Wissenschaften zu Berlin. Mathematisch-Naturwissenschaftliche Klasse.
S.-B. Finn. Akad. Wiss. Sitzungsberichte der Finnischen Akademie der Wissenschaften. Proceedings of the Finnish Academy of Science and Letters. (Helsinki.)
S.-B. Heidelberger Akad. Wiss. Math. Nat. Kl. Sitzungsberichte der Heidelberger Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse.
S.-B. Math.-Nat. Kl. Bayer. Akad. Wiss. Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Klasse der Bayerischen Akademie der Wissenschaften zu München.
S.-B. Phys.-Med. Soz. Erlangen. Sitzungsberichte der Physikalisch-Medizinischen Sozietät zu Erlangen.
Schr. Math. Inst. Univ. Münster. Schriftenreihe des Mathematischen Instituts der Universität Münster. (Münster. Title varies.)
Schweiz. Arch. Angew. Wiss. Tech. Schweizer Archiv für Angewandte Wissenschaft und Technik. (Solothurn.)
Schweiz. Mineral. Petrog. Mitt. Schweizerische Mineralogische und Petrographische Mitteilungen. Bulletin Suisse de Minéralogie et Pétrographie. Bollettino Svizzero di Mineralogia e Petrografia. (Zurich.)
Schweiz. Z. Vermessg. Kulturtech. Photogr. Schweizerische Zeitschrift für Vermessung, Kulturtechnik und Photogrammetrie. Revue technique Suisse des Mensurations, du Génie rural et de Photogrammétrie. (Winterthur.)
Sci. Monthly. The Scientific Monthly. (Washington, D. C.)
Sci. Papers Coll. Gen. Ed. Univ. Tokyo. Scientific Papers of the College of General Education. University of Tokyo.
Sci. Papers Fac. Engrg. Tokushima Univ. Scientific Papers of Faculty of Engineering, Tokushima University.
Sci. Proc. Roy. Dublin Soc. The Scientific Proceedings of the Royal Dublin Society.
Sci. Rep. Res. Inst. Tôhoku Univ. Ser. A. The Science Reports of the Research Institutes. Tôhoku University. Series A. (Physics, Chemistry and Metallurgy.) (Sendai.)
Sci. Rep. Saitama Univ. Ser. A. The Science Reports of the Saitama University. Series A. (Urawa.)
Sci. Rep. Tôhoku Univ. Ser. 1. The Science Reports of the Tôhoku University. First Series. (Physics, Chemistry, Astronomy.)
Sci. Rep. Tokyo Kyoiku Daigaku. Sect. A. Science Reports of the Tokyo Kyoiku Daigaku. Section A. (Formerly: *Tokyo Bunrika Daigaku.*)
Sci. Rep. Yokohama Nat. Univ. Sect. I. Science Reports of the Yokohama National University. Section I. Mathematics, Physics. (Yokohama.)
Sci. Sinica. Scientia Sinica. (Peking. Formerly: *Acta Sci. Sinica.*)
Scienca Revuo. Scienca Revuo. (Purmerend.)
Science. (Washington, D. C.)
Science and Culture. (Calcutta.)
Science of Thought. The Science of Thought. (Tokyo.)
Scientia. Scientia. International Review of Scientific Synthesis. (Como. Title also in French, German, Italian, and Spanish.)
Scientist, Pakistan. The Scientist, Pakistan. (Karachi.)
Scripta Math. Scripta Mathematica. A Quarterly Journal Devoted to the Philosophy, History, and Expository Treatment of Mathematics. (New York.)
Simon Stevin. Simon Stevin. Wis- en Natuurkundig Tijdschrift. (Groningen-Djakarta.)
Skand. Aktuarietidskr. Skandinavisk Aktuarietidskrift. (Uppsala.)
Skr. Norske Vid. Akad. Oslo. I. Skrifter Utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mat.-Naturv. Klasse.
Slovenska Akad. Znan. Umet. Razred Mat. Fiz. Tehn. Vede. Ser. A. Rasprave. Slovenska Akademija Znanosti in Umetnosti. Academia Scientiarum et Artium Slovenica. Razred za Matematične, Fizikalne in Tehnične Vede. Classis III: Mathematica, Physica, Technica. Serija A: Matematične, Fizikalne in Kemične Vede. Series A: Mathematica, Physica, Chemica. Razprave. Dissertationes. (Ljubljana. Formerly: *Akad. Ljubljani. Mat.-Prirodoslov. Razred. Mat. Odsek. Rasprave.*)
Soc. Actuar. Trans. Society of Actuaries. Transactions. (Chicago.)
Soc. Sci. Fenn. Comment. Phys.-Math. Societas Scientiarum Fennica. Commentationes Physico-Mathematicae. (Helsinki.)
Soc. Sci. Lett. Varsovie. C. R. Cl. III. Towarzystwo Naukowe Warszawskie. Sprawozdania z Posiedzeń Wydzialu III. Nauk Matematyczno-Fizycznych. La Société des Sciences et des Lettres de Varsovie. Comptes Rendus des Séances de la Classe III. Sciences Mathématiques et Physiques.
Soc. Sci. Nat. Croat. Period. Math. Phys. Astr. See *Hrvatsko Prirod. Društo. Glasnik Mat.-Fiz. Astr.*
Soobšč. Akad. Nauk Gruzin. SSR. Soobščeniya Akademii Nauk Gruzinskoĭ SSR. (Tbilissi. Title also in Georgian. Formerly contained titles also in English and German.)
South African J. Sci. South African Journal of Science. Suid-Afrikaanse Joernaal van Wetenskap. (Johannesburg.)
Sowjetwissenschaft. Naturwiss. Abt. Sowjetwissenschaft. Naturwissenschaftliche Abteilung. (Berlin.)
Spisy Přírod. Fak. Masaryk. Univ. See *Publ. Fac. Sci. Univ. Masaryk*
Spisy Přírod. Fak. Univ. Karl. See *Acta Fac. Nat. Univ. Carol., Prague.*
Srpska Akad. Nauka. Poseb. Izd. Srpska Akademija Nauka. Posebna Izdanja. (Belgrade.)
Srpska Akad. Nauka. Zb. Rad. Srpska Akademija Nauka. Zbornik Radova. (Belgrade.)

Statist. Res. Mem. London. Statistical Research Memoirs. (London.)
Statist. Vierteljschr. Statistische Vierteljahresschrift. (Vienna.)
Statistica, Bologna. Statistica. (Bologna. Formerly Milano.)
Statistica, den Haag. Statistica. (den Haag. Formerly Rijswijk.)
Stockholms Obs. Ann. Stockholms Observatoriums Annaler.
Studia Math. Studia Mathematica. (Warsaw.)
Studium Gen. Studium Generale. Zeitschrift für die Einheit der Wissenschaften im Zusammenhang ihrer Begriffsbildungen und Forschungsmethoden. (Berlin, Göttingen, Heidelberg.)
Sudhoffs Arch. Sudhoffs Archiv für Geschichte der Medizin und der Naturwissenschaften. (Wiesbaden.)
Sûgaku. (Tokyo. Title and contents in Japanese.)
Summa Brasil. Math. Summa Brasiliensis Mathematicae. (Rio de Janeiro.)
Summa Brasil. Phys. Summa Brasiliensis Physicae. (Rio de Janeiro.)
Synthese. Synthese. An International Journal Devoted to Present-Day Cultural and Scientific Life. (Bussum.)
Tech. Lotn. Technika Lotnicza. Dwumiesięcznik zwiazku polskich inżynierów i techników lotniczych. Wydawnictwo naczelnej organizacji technicznej. (Warsaw.)
Tech. Rep. Engrg. Res. Inst. Kyoto Univ. Technical Reports of the Engineering Research Institute Kyoto University. (Kyoto.)
Tech. Rep. Osaka Univ. Technology Reports of the Osaka University.
Tecnica. Rev. Fac. Ci. Ex. Tec. Univ. Nac. Tucuman. Tecnica. Revista de la Facultad de Ciencias Exactas y Tecnología. Universidad Nacional de Tucuman.
Tellus. Tellus. A Quarterly Journal of Geophysics. (Stockholm.)
Tensor (N.S.). Tensor. New Series. (Sapporo.)
Texas J. Sci. The Texas Journal of Science. (San Marcos, Tex.)
Thalès. Thalès. Recueil Annuel des Travaux de l'Institut d'Histoire des Sciences et des Techniques de l'Université de Paris.
Theoria. Theoria. A Swedish Journal of Philosophy and Psychology. (Lund.)
Točn. Meh. Mašin. Akademiya Nauk SSSR. Točnost' Mehanizmov i Mašin. Trudy Seminara po Točnosti Mehanizmov i Mašin. (Moscow.)
Tôhoku Math. J. The Tôhoku Mathematical Journal.
Tomsk. Gos. Univ. Uč. Zap. Tomskiĭ Gosudarstvennyĭ Universitet imeni V. V. Kuibyševa. Učenye Zapiski.
Trabajos Estadist. Trabajos de Estadistica. (Madrid.)
Trans. A.S.M.E. Transactions of the A.S.M.E. (New York.)
Trans. Amer. Geophys. Union. Transactions. American Geophysical Union. (Washington, D. C.)
Trans. Amer. Inst. Elec. Engrs. Transactions of the American Institute of Electrical Engineers. (New York.)
Trans. Amer. Math. Soc. Transactions of the American Mathematical Society.
Trans. Amer. Philos. Soc. Transactions of the American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge.
Trans. Chalmers Univ. Tech., Gothenberg. See *Chalmers Tekn. Högsk. Handl.*
Trans. Faraday Soc. Transactions of the Faraday Society. (London.)
Trans. Nat. Inst. Sci. India. Transactions of the National Institute of Sciences of India. (Delhi.)
Trans. Roy. Inst. Tech., Stockholm. See *Kungl. Tekn. Högsk. Handl. Stockholm.*
Trans. Roy. Soc. Canada. Sect. III. Transactions of the Royal Society of Canada. Section III. Chemical, Mathematical and Physical Sciences. (Ottawa.)
Trans. Roy. Soc. Edinburgh. Transactions of the Royal Society of Edinburgh.
Trans. Roy. Soc. South Africa. Transactions of the Royal Society of South Africa. (Cape Town.)
Trudy Central. Aero-Gidrodinam. Inst. Trudy Central'nogo Aèro-Gidrodinamičeskogo Instituta im. Prof. N. E. Žukovskogo.
Trudy Fiz. Inst. Akademiya Nauk Soyuza SSR. Fizičeskiĭ Institut imeni P. N. Lebedeva. Trudy Fizičeskogo Instituta.
Trudy Geofiz. Inst. Akademiya Nauk SSSR. Trudy Geofizičeskogo Instituta.
Trudy Inst. Istorii Estest. Akademiya Nauk SSSR. Trudy Instituta Istorii Estestvoznaniya.
Trudy Inst. Mašinoved. Akademiya Nauk SSSR. Trudy Instituta Mašinovedeniya. Seminara po Teorii Mašin i Mehanizmov. (Formerly: *Akad. Nauk SSSR. Trudy Sem. Teorii Mašin i Mehanizmov.*)
Trudy Inst. Teoret. Astr. Akademiya Nauk SSSR. Trudy Instituta Teoretičeskoĭ Astronomii. (Moscow.)
Trudy Inst. Teoret. Geofiz. Akademiya Nauk Soyuza SSR. Trudy Instituta Teoretičeskoĭ Geofiziki.
Trudy Istor. Tehn. Akademiya Nauk SSSR. Trudy po Istorii Tehniki.
Trudy Mat. Inst. Steklov. Akademiya Nauk Soyuza Sovetskih Socialističeskih Respublik. Trudy Matematičeskogo Instituta imeni V. A. Steklova.
Trudy Moskov. Mat. Obšč. Trudy Moskovskogo Matematičeskogo Obščestva. (Moscow.)
Trudy Sem. Vektor. Tensor. Anal. Trudy Seminara po Vektornomu i Tenzornomu Analizu s Ih Priloženiyami k Geometrii, Mehaniki i Fiziki. (Moscow.)
Uč. Zap. Har'kov. Gos. Univ. Zap. Naučno-Issled. Inst. Mat. Meh. i Har'kov. Mat. Obšč. Učenye Zapiski Har'kovskogo Gosudarstvennogo Universiteta im. A. M. Gor'kogo. Zapiski Naučno-Issledovatel'skogo Instituta Matematiki i Mehaniki i Har'kovskogo Matematičeskogo Obščestva. (Kharkov.)
Uč. Zap. Kasan. Univ. Učenye Zapiski Kazanskogo Gosudarstvennogo Universiteta imeni V. I. Ul'yanova-Lenina.
Ukrain. Mat. Ž. Akademiya Nauk Ukrainskoĭ SSR. Institut Matematiki. Ukrainskiĭ Matematičeskiĭ Žurnal. (Kiev.)
Un. Mat. Argentina. Mem. y Monogr. Unión Matemática Argentina. Asociación Fisica Argentina. Memorias y Monografías en Fasciculos Separados.
Univ. Bergen Arbok. Naturvit. Rekke. Universitet i Bergen Arbok. Naturvitenskapelig Rekke.
Univ. Buenos Aires. Contrib. Ci. Ser. A. Universidad de Buenos Aires. Facultad de Ciencias Exactas, Fisicas y Naturales. Contribuciones Cientificas. Serie A. Matematica. (Buenos Aires.)
Univ. Buenos Aires. Contrib. Ci. Ser. B. Universidad de Buenos Aires. Facultad de Ciencias Exactas, Fisicas y Naturales. Contribuciones Cientificas. Serie B. Fisica. (Buenos Aires.)
Univ. Buenos Aires. Rev. Fac. Ci. Econ. Universidad de Buenos Aires. Revista de la Facultad de Ciencias Economicas.
Univ. California Publ. Math. University of California Publications in Mathematics.
Univ. California Publ. Statist. University of California Publications in Statistics. (Berkeley and Los Angeles.)
Univ. e Politec. Torino. Rend. Sem. Mat. Università e Politecnico di Torino. Rendiconti del Seminario Matematico (già "Conferenze di Fisica e di Matematica").
Univ. Lisboa. Revista Fac. Ci. A. (2). Universidade de Lisboa. Revista da Faculdade de Ciências. 2.ª Série. A. Ciências Matemáticas.
Univ. Lisboa. Revista Fac. Ci. B. (2). Universidade de Lisboa. Revista da Faculdade de Ciencias. 2.ª Série. B.
Univ. Nac. Eva Peron. Publ. Fac. Ci. Fisicomat. Serie Segunda. Rev. (or *Contrib.*) Universidad Nacional de Eva Peron. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Segunda. Revista (or Contribuciones). (Formerly: Univ. Nac. La Plata.)
Univ. Nac. Eva Peron Publ. Fac. Ci. Fisicomat. Serie Tercera. Publ. Esp. Universidad Nacional de Eva Peron. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Tercera. Publicaciones Especiales.
Univ. Nac. Litoral Inst. Mat. Publ. Republica Argentina. Ministerio de Educación de la Nación. Universidad Nacional del Litoral. Facultad de Ciencias Matemáticas, Fisico-Químicas y Naturales Aplicadas a la Industria. Instituto de Matemática. Publicaciones. (Rosario. Title varies.)
Univ. Nac. Tucumán. Publ. Universidad Nacional de Tucumán. Publicación.
Univ. Nac. Tucumán. Rev. Ser. A. Universidad Nacional de Tucumán. Facultad de Ciencias Exactas y Tecnologia. Revista. Serie A. Matemáticas y Fisica Teórica. (Title varies.)
Univ. Washington Publ. Math. University of Washington Publications in Mathematics. (Seattle, Wash.)
Uspehi Astr. Nauk. Akademiya Nauk SSSR. Uspehi Astronomičeskih Nauk. (Moscow.)
Uspehi Fiz. Nauk. Akademiya Nauk SSSR. Uspehi Fizičeskih Nauk. (Moscow-Leningrad.)
Uspehi Mat. Nauk. Akademiya Nauk SSSR i Moskovskoe Matematičeskoe Obščestvo. Uspehi Matematičeskih Nauk. (Moscow-Leningrad.)
Verh. Naturf. Ges. Basel. Verhandlungen der Naturforschenden Gesellschaft in Basel.
Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. 1. Verhandelingen der Koninklijke Nederlandse Akademie van Wetenschappen, Afdeeling Natuurkunde. Eerste Sectie. (Amsterdam.)
Verh. Schweiz. Naturf. Ges. See *Actes Soc. Helv. Sci. Nat.*
Verh. Vlaamse Acod. Kl. Wetensch. Verhandelingen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België. Klasse der Wetenschappen.

Verzekerings-Arch. Het Verzekerings-Archief. (The Hague.)
Vestnik Akad. Nauk SSSR. Vestnik Akademii Nauk SSSR.
Vesnik Druš. Mat. Fiz. Srb. See *Bull. Soc. Math. Phys. Serbie.*
Vestnik Leningrad. Univ. Vestnik Leningradskogo Universiteta.
Vestnik Moskov. Univ. Vestnik Moskovskogo Universiteta. Ežemesyačnyĭ Naučnyĭ Žurnal. Seriya Fiziko-Matematičeskih i Estestvennyh Nauk.
Vestnik Svyazi. Vestnik Svyazi. (Moscow.)
Vierteljschr. Naturf. Ges. Zürich. Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich.
Virginia J. Sci. The Virginia Journal of Science. A Journal issued Quarterly by the Virginia Academy of Science. (Blacksburg, Va.)
Visnik Akad. Nauk Ukrain. RSR. Visnik Akademiĭ Nauk Ukrains'koĭ Radyans'koĭ Socialističnoĭ Respubliki. (Kiev.)
Voprosy Kosmog. Akademiya Nauk SSSR. Voprosy Kosmogonii. (Moscow.)
Vyčisl. Mat. Vyčisl. Tehn. Akademiya Nauk SSSR. Institut Točnoĭ Mehaniki i Vyčislitel'noĭ Tehniki. Vyčislitel'naya Matematika i Vyčislitel'naya Tehnika. (Moscow.)
Wiss. Ann. Wissenschaftliche Annalen. (Berlin.)
Wiss. Z. Humboldt-Univ. Berlin. Math.-Nat. Reihe. Wissenschaftliche Zeitschrift der Humboldt-Universität Berlin. Mathematisch-Naturwissenschaftliche Reihe.
Wiss. Z. Karl-Marx-Univ. Leipzig. Math.-Nat. Reihe. Wissenschaftliche Zeitschrift der Karl-Marx-Universität Leipzig. Mathematisch-Naturwissenschaftliche Reihe.
Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg. Math.-Nat. Reihe. Wissenschaftliche Zeitschrift der Martin-Luther-Universität Halle-Wittenberg. Mathematisch-Naturwissenschaftliche Reihe.
Wiss. Z. Tech. Hochsch. Dresden. Wissenschaftliche Zeitschrift der Technischen Hochschule Dresden.
Wiss. Z. Univ. Greifswald. Math.-Nat. Reihe. Wissenschaftliche Zeitschrift der Universität Greifswald. Mathematisch-Naturwissenschaftliche Reihe.
Yokohama Math. J. Yokohama Mathematical Journal.
Z. Angew. Math. Mech. Zeitschrift für Angewandte Mathematik und Mechanik. Ingenieurwissenschaftliche Forschungsarbeiten. (Berlin.)
Z. Angew. Math. Phys. Zeitschrift für angewandte Mathematik und Physik. ZAMP. Journal of Applied Mathematics and Physics. Journal de Mathématiques et de Physique Appliquées. (Basel.)
Z. Astrophys. Zeitschrift für Astrophysik. (Berlin-Göttingen-Heidelberg.)
Z. Eksper. Teoret. Fiz. Akademiya Nauk SSSR. Žurnal Eksperimentalnoĭ i Teoretičeskoĭ Fiziki.
Z. Krist. Zeitschrift für Kristallographie. Kristallgeometrie, Kristallphysik, Kristallchemie. (Frankfurt am Main. Formerly: *Z. Kristallogr., Mineral. Petrogr. Abt. A.*)
Z. Meteorol. Zeitschrift für Meteorologie. (Berlin.)
Z. Naturf. Zeitschrift für Naturforschung. (Tübingen.)
Z. Österreich. Ing. Architekt.-Verein. Zeitschrift des Österreichischen Ingenieur- und Architekten-Vereines. (Wien.)
Z. Physik. Zeitschrift für Physik. (Berlin-Göttingen-Heidelberg.)
Z. Tehn. Fiz. Akademiya Nauk SSSR. Žurnal Tehničeskoĭ Fiziki.
Z. Verein. Deutsch. Ing. Zeitschrift des Vereines Deutscher Ingenieure. (Düsseldorf.)
Zastos. Mat. Instytut Matematyczny Polskiej Akademii Nauk. Zastosowania Matematyki. (Warsaw.)

ERRATA AND ADDENDA

VOLUME 12

P. 243: **Gut.**
In line 6 from the end of the review read "is not divisible" for "is divisible". In line 3 from the end read $\sum_{m=1}^{i-1}$ for $\sum_{m=1}^{i}$.

P. 934: Top line, 2d column.
For Melcev read Malcev.

P. 933: Right column.
The following should appear as a second entry under Lyapunov: ★General problem of stability of motion. 612

P. 952: Left column.
Segal, I. E., together with one paper appears out of alphabetical order in lines 14 and 15 from the bottom. The name should be deleted and this paper should be listed at the end of those under Segal's name in the proper alphabetical order.

VOLUME 13

P. 249: **Chandrasekhar and Münch.**
In the title read "Astrophys." for "Astr."

P. 977: **Burau.**
In the title read "3, no. 2" for "3".

VOLUME 14

P. 125: **Peremans, Dupac and Lekkerkerker.**
In the title read "**Duparc**" for "**Dupac**".

P. 158: **Jurkat and Peyerimhoff.**
The reviewer wishes to retract his statement in the last four lines of the review that the hypothesis that the methods of summation are perfect could have been avoided in the paper. *G. G. Lorentz.*

P. 324: **Čerkudinov and Speranskiĭ.**
In the title read 11 for 9.

P. 324: **Dobrovol'skiĭ.**
In the title read 11 for 9.

P. 796: **Yano and Hitosi.**
The second author's family and given name are interchanged. The authors should read: **Yano, Kentaro, and Hiramatu, Hitosi.**

P. 884: **Fukamiya.**
In line 8 from the bottom read "$x=u+iv$ with $u,v \in E$" instead of "$x=u-v$ with $u,v \in D$".

P. 1054: **Gyires.**
In the heading read "463–484" for "no. 2, 1–22".

VOLUME 15

P. 18: **Jones.**
In line 6 from the end read; "the author points out" for "where it is pointed out".

P. 42: **Kunisawa.**
It was pointed out by K. L. Chung that the author's result concerning the strong law of large numbers is incorrectly quoted by the reviewer. The author only proves that the convergence of $\sum_{k=1}^{\infty}\{1-\Phi_{F_k}(k)\}$ is a sufficient condition for the strong law of large numbers and that this condition becomes necessary if the random variables X_k are identically distributed. As is observed by the author, no necessary and sufficient condition in a reasonable form is known in case X_k are not identically distributed. *S. Kakutani.*

P. 43: **Lipschutz.**
In the second line of the review read "[Trans. Amer. Math. Soc. **72**, 179–186 (1952); these Rev. **13**, 567]" for "(unpublished paper)".

P. 63: **Fieschi and Fumi.**
The reviewer did not intend to imply that the authors discuss fifth and sixth order tensors associated with only electric and elastic theory. Although most of the applications lie in this direction, the authors derive the general fifth and sixth order symmetric tensors of the polar and axial types for the crystal groups. Finally, the authors' group-theory technique is not similar to that of F. Murnaghan. A more appropriate reference is F. G. Fumi, Nuovo Cimento (9) **9**, 739–756 (1952) [these Rev. **14**, 500]. *N. Coburn.*

P. 90: **Seki.**
Historical details on consistency proofs of the theory of types and the axiom of reducibility due to E. W. Beth, G. Gentzen, and A. Tarski are given by A. Church in J. Symbolic Logic **2**, 44 (1937). *G. Kreisel.*

P. 98: **Tvermoes.**
In the title read "Verallgemeinerung" for "Verallgemeinrung".

P. 102: **Val'fiš.**
The review should be amended as follows. "The author defines a prime p to be strongly isolated, if $\log\log\log p>1$ and its distance from the nearest prime is greater than $\log p/(\log\log\log p)^2$. Using the well known result of Schnirelman on the number of solutions of $p-q=a$, the author proves that almost all primes are strongly isolated. This sharpens a previous result of Sierpiński [Colloquium Math. **1**, 193–194 (1948); these Rev. **10**, 431]." *R. Bellman.*

P. 134: **Zeller.**
In lines 19–21 of the review the part of statement (2) before the reference should be replaced by: The existence of a function a such that $a(r_n e^{i\theta})$ tends uniformly to ∞ for some sequence $r_n \to 1$.

P. 181: **Ledinegg und Urban.**
The reviewer apologizes to the authors for making the erroneous statement beginning in line 6: "Results obtained using this assumption are trivial, . . ." *J. L. Ericksen.*

P. 188: **Rosen.**
The displayed formula should read:

$$\delta\int\int\left[C_v\rho T\frac{\partial T}{\partial t}-\frac{\sigma}{2}(\nabla T)^2\right]d\tau=0.$$

P. 202: **Tatuzawa.**
In the last displayed formula read 4/7 and 3/7 for 4.7 and 3.7, respectively.

P. 239: **Scheffé.**
In line 8 from the end of p. 239 the first member of the inequality should read $\hat{\theta}-S^2\theta_1$.

P. 252: **Bol.**
In line 11 of the review read "Carton's" for "Cartan's".

P. 295: **Hirschman.**
In the title read "convexity" for "convexivity".

P. 300: **Milloux.**
In line 4 from the end of the review read "Carathéodory" for "Carathéorodry".

P. 332: **Hansen, Hurwitz, and Madow** (2d review).
In line 4 from the end of the review insert "and $Z_i>0$" after $\sum_{i=1}^{t} Z_i=1$.

P. 340: **Goodstein and Primrose.**
The last letters in each of the first three lines should be permuted to occur in the order: -, e, s.

P. 358: **Leaf.**
As a result of correspondence with the author, the reviewer realises that his attempt to understand the paper was unsuccessful; the criticism based on that attempt should be withdrawn. The reviewer does not understand the paper at all now. *J. L. Synge.*

P. 394: **Kolchin.**
In line 4 from the end of the left column read "an overgroup" for "a subgroup".

P. 406: **Malyšev** (2d paper).
In line 9 of the second column replace "classes" by "primitive classes."

P. 413: **Redheffer.**
The reviewer stated in his review that the author appeared to make a certain assumption without justification. In separate communications R. P. Boas and the author showed that this assumption is indeed justified. The principal result of the paper then is the following. Let the set (*) $\{\exp(\pm i\lambda_n x)\}$ (λ_n complex) have finite (positive, zero or negative) deficiency on some finite interval $(-a, a)$. Then the deficiency is d if and only if

$$\int_1^\infty x^{2d-2}|F(x)|^2dx<\infty, \quad \int_1^\infty x^{2d}|F(x)|^2dx=\infty,$$

where $F(z)=\prod(1-z^2/\lambda_n^2)$. This result generalizes work of Paley and Wiener [Fourier transforms in the complex domain, Amer. Math. Soc. Colloq. Publ. vol. 19, New York, 1934, ch. VI]. The author finally uses his result to compare the deficiency of the set (*) and the set $\{\exp(i\lambda_n' x)\}$, where λ_n' runs through the roots of the equation $F(z)=A$. *J. Korevaar.*

P. 444: **Kanellos** (2d paper).
The reviewer wishes to withdraw his previous review of this paper and replace it by the following.

The author is concerned with two independent sequences of k trials each. The event A occurs with probability p in the first sequence; the event B with probability $1-q$ in the second. For a given set of trials he defines a quantity t_k as follows: If the event A occurs x times in its sequence, the event B, y times in its sequence, and finally the event (A and B), z times, write $t_k=z/y$ if $y>0$ and $t_k=x/k$ if $y=0$. He calls the random variable t_k the comparative frequency of the event A with respect to the event B. He proves that (i) the mean value of t_k is p, (ii) t_k tends to p in probability as $k\to\infty$, and (iii) obtains a formula relating the variance of t_k with the variance of the quantity x/k. The length of the paper is due to the complicated calculations which appear to be necessary. *J. M. Danskin.*

P. 479: **Sedov, Mihallova, and Černyĭ.**
In the title read "8, no. 3" for "8".

P. 496: **Wielandt.**
In line 10 from the end of the review read "$x^*y=0$" for "x^*y+0".

P. 506: **Garcia.**
In the next to the last line read "multiply" for "multiplying."

P. 632: **Pukánszky** (2d review).
Despite the author's apparent assumption of strong continuity, the intention was only to assume strong continuity relative to the unit sphere, and his proofs make use only of the latter (weaker) assumption. *I. E. Segal.*

P. 656: **Frankl'.**
The author's initials should read "F. I." instead of "F. S.".

P. 669: **Janiczak.**
The reviewer's sketch of a decision method for the quantification theory of an ordering relation assumes that there are no limit points in the ordering considered. Therefore it does not settle the decision problem. *G. Kreisel.*

P. 715: **Pirl.**
The vol. and no. were misprinted on some copies. The title should read "101, no. 2" instead of "100, no. 8".

P. 722: **Cox and Smith.**
The stated theorem actually deals with the convergence of renewal densities for which better conditions are given in the paper by Smith reviewed following this one. *K. L. Chung.*

P. 798: **Pleijel.**
The author has rightly pointed out to the reviewer that the review was in error; and the implied criticism of the novelty of the result was indeed unjustified. The author studied the Green's kernel for the Dirichlet and Neumann problem attaching to the equation $\Delta u^2-\kappa^2 u=0$ not for interior points of the domain, but, which is much more difficult, for points on the boundary; and, for instance, the formula

$$\sum_{\lambda_\nu<t}(\varphi_\nu(x;\omega))^2\sim\frac{t}{2\pi}, \quad t\to\infty,$$

is quite new indeed in that the point x is now a point on the boundary, and the right side now $t/2\pi$, and not $t/4\pi$ as in the older formula of Carleman for interior points. *S. Bochner.*

P. 822: **Segre.**
In line 9 from the top of p. 823 read "virtual" for "vertical".

P. 830: **Salzer.**
In line 2 of the second paragraph the formula for the remainder should begin h^{2n} instead of h^n.

P. 879: **Grothendiek.**
In line 21 of the review read "$E\hat{\otimes}F$" for "$E\otimes F$".

P. 882: **Amemiya.**
The next to last line should read: "$\|\sum_n y_{n,n}\|>n$. Then the resulting sequence

$$x_n=\sum_{j=1}^{n}y_{j,n+1-j}=y_{n,1}+y_{n-1,2}+\cdots+y_{1,n}."$$

P. 906: **Aoi.**
The author's given name should be "Tyusei" instead of "Tadamasa".

P. 925: **Yablonskiĭ.**
At the end of the review read "Pa." for "Md."

P. 944: **Porcelli.**
The last two sentences of the review should be deleted. *T. H. Hildebrandt.*

TRANSLITERATION OF RUSSIAN

The transliteration of Russian frequently causes confusion because of the variety of systems in use. The table below presents several systems presently used by libraries or by abstracting journals, including Mathematical Reviews, which are likely to be consulted by mathematicians. The system adopted by Mathematical Reviews has been in use since the beginning of volume 7. Other Slavic languages using a Cyrillic alphabet are transliterated by some modification of the Russian transliteration; Serbian is transliterated according to a standard procedure into the equivalent Croatian. If the author's name already appears transliterated in the paper, this transliteration is used by Mathematical Reviews.

Russian Letter Cap.	Ital.	Mathematical Reviews	Zentralblatt für Mathematik	Bulletin Analytique	Applied Mechanics Reviews	Science Abstracts	U. S. Library of Congress	Amer. Slavic & E. European Review
А	*а*	a	a	a	a	a	a	a
Б	*б*	b	b	b	b	b	b	b
В	*в*	v	v	v	v	v	v	v
Г	*г*	g	g	g	g	g	g	g
Д	*д*	d	d	d	d	d	d	d
Е	*е*	e	e	e	e	e	e	e
Ё	*ё*	ë	e	ē	ë	ē	ē	ē
Ж	*ж*	ž	ž	zh	zh	zh	z͡h	ž
З	*з*	z	z	z	z	z	z	z
И	*и*	i	i	i	i	i	i	i
Й	*й*	ĭ	j	j	ĭ	ĭ	ĭ	j
К	*к*	k	k	k	k	k	k	k
Л	*л*	l	l	l	l	l	l	l
М	*м*	m	m	m	m	m	m	m
Н	*н*	n	n	n	n	n	n	n
О	*о*	o	o	o	o	o	o	o
П	*п*	p	p	p	p	p	p	p
Р	*р*	r	r	r	r	r	r	r
С	*с*	s	s	s	s	s	s	s
Т	*т*	t	t	t	t	t	t	t
У	*у*	u	u	u	u	u	u	u
Ф	*ф*	f	f	f	f	f	f	f
Х	*х*	h	ch	kh	kh	kh	k͡h	kh
Ц	*ц*	c	c	c	ts	ts	t͡s	c
Ч	*ч*	č	č	ch	ch	ch	c͡h	č
Ш	*ш*	š	š	sh	sh	sh	s͡h	š
Щ	*щ*	šč	šč	shch	shch	shch	shch	šč
Ъ	*ъ*	″			″	‘	″	‘
Ы	*ы*	y	y	y	ſ	ȳ	ẏ	y
Ь	*ь*	′	′	’	’	’	’	’
Э	*э*	è	ė	e	é	é	é	è
Ю	*ю*	yu	ju	ju	yu	yu	ĭu	ju
Я	*я*	ya	ja	ja	ya	ya	ĭa	ja

MATHEMATICAL SURVEYS

Mathematical Surveys is a series of monographs published by the American Mathematical Society to meet the need for careful expositions of fields of current research interest. Each Survey is designed to give an extended exposition of a significant topic of limited scope and to provide mathematicians who are not specialists in the topic with a rapid introduction to its recent developments and unsolved problems.

Six Surveys have been published and may be purchased from the Society at the prices listed below. Members of the Society are allowed a discount of 25% on Mathematical Surveys which they order directly from the Society. Prices are in United States dollars and include postage.

Vol. — *List Price*

1. J. A. Shohat and J. D. Tamarkin, The Problem of Moments. 1943, xiv, 140 p.; reprinted 1950, iv, 144 p. $3.35

The present monograph is the first treatment of this problem in book form. It is concerned largely with the classical moment problem and, with the exception of a few remarks concerning the trigonometrical moment problem, no mention is made of the various generalizations and modifications. A special chapter is devoted to the theory of approximate (mechanical) quadratures and its relation to the problem of moments. In view of the considerable mathematical, as well as practical, interest in the moment problem, this volume has been prepared with a view to the needs of a wide mathematical public.

In the second printing, revisions and corrections have been made in the text and a Supplementary Bibliography has been added.

2. N. Jacobson, The Theory of Rings, 1943, vi, 150 p.; reprinted 1949, vi, 151 p. $3.35

"This very excellent treatment of the theory of rings is more than a compendium. For not only does if offer a résumé of the contents of this theory, but it gives at the same time a very instructive introduction into the working methods used here which will be helpful to others than the algebraists. Since the book is, apart from a very few exceptions, quite self-contained, not much previous knowledge is needed, although it seems desirable to be familiar with the ways of thinking practised in abstract algebra. Thus the book should not only be indispensable to every worker in the theory of rings, but may also be used in connection with an introductory course in abstract algebra."

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